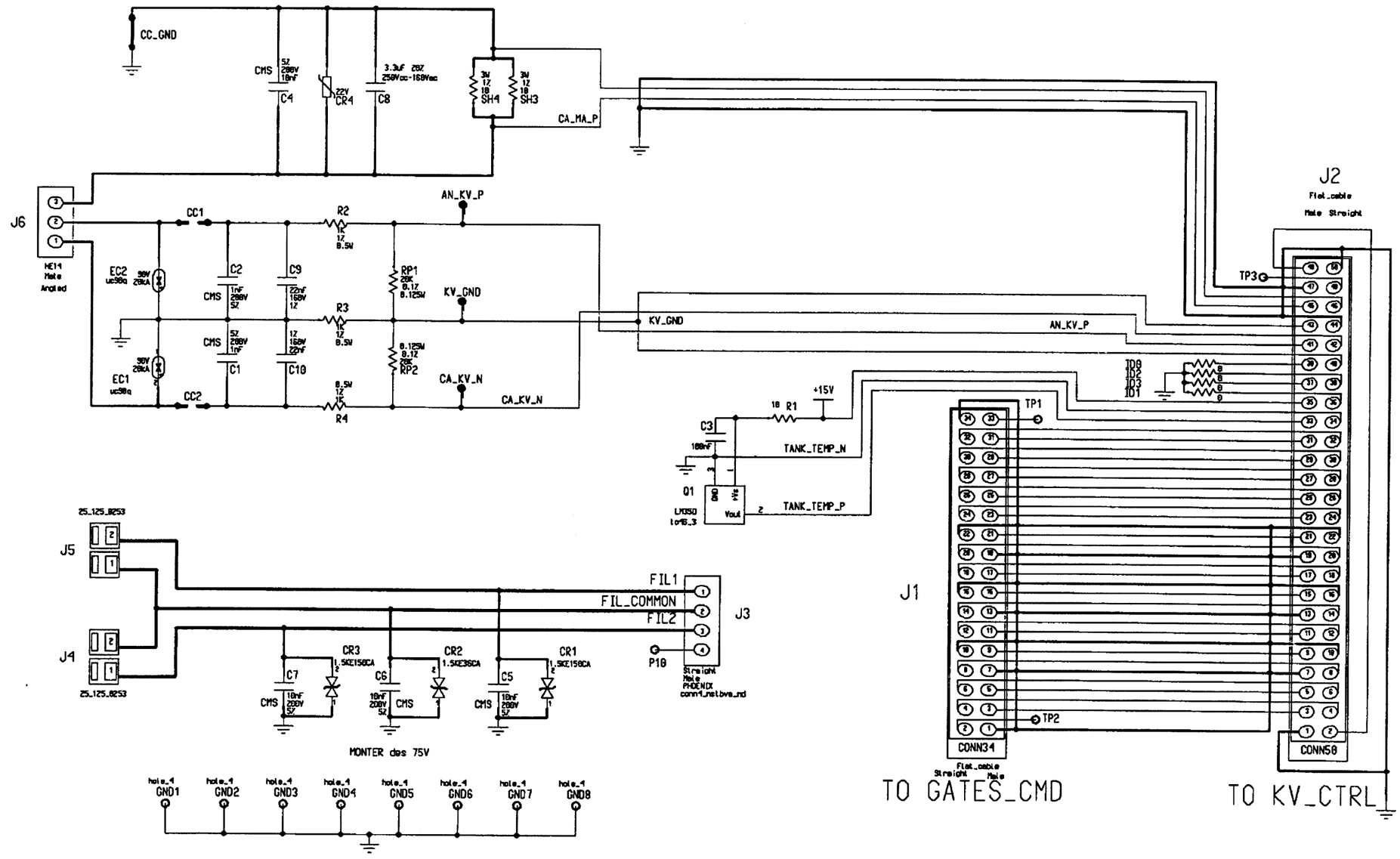
Generator Schematics

The following is a collection of schematics for the major equipment in the Uroview 2800 Generator. These items are arranged in numeric order by drawing number.

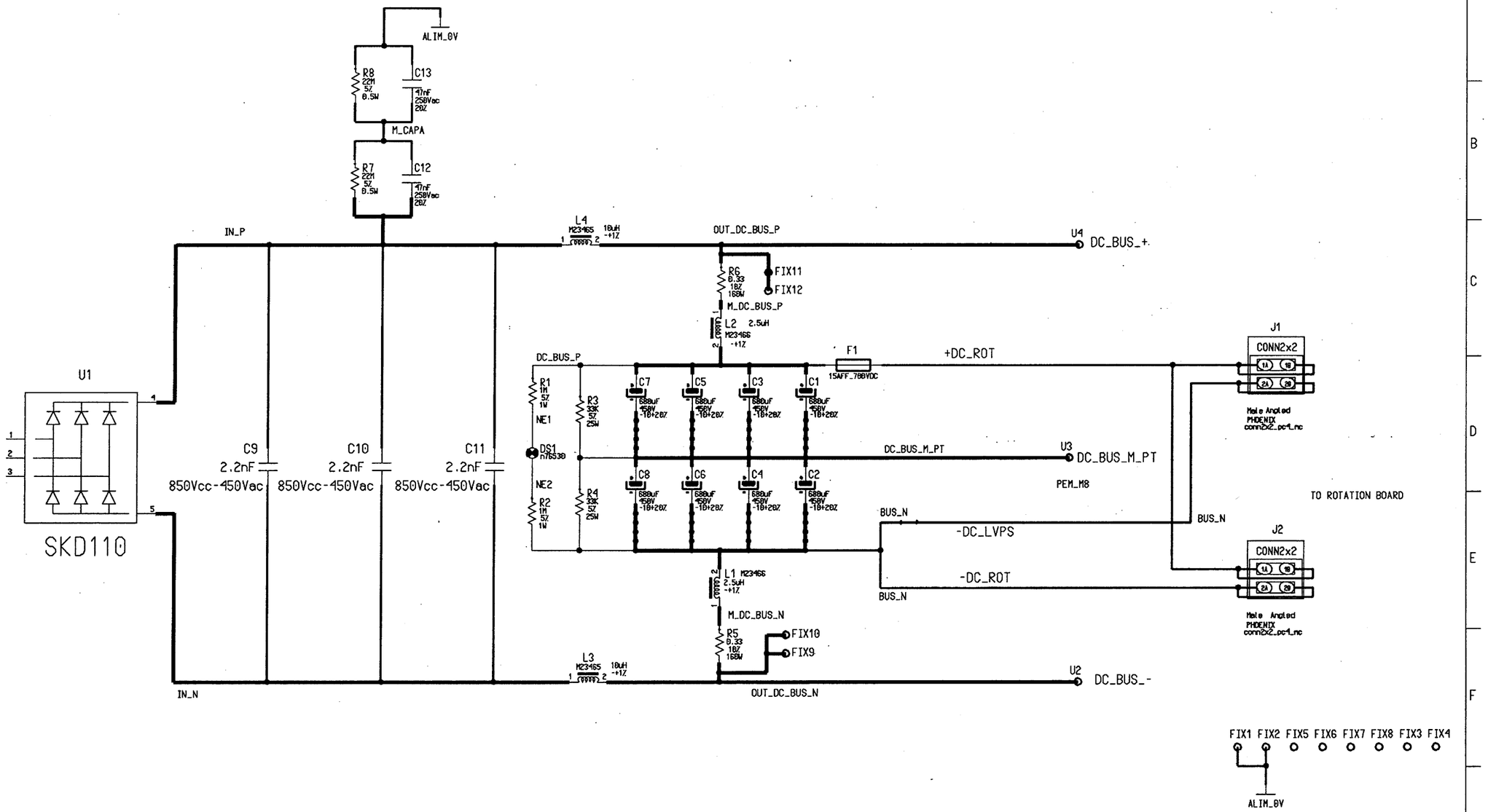
Use the following alphabetic list to access a drawing by title. Click on the appropriate title or drawing number to view the drawing.

AC DC SINGLE PHASE **884212**
AC DC V2D **884203**
AEC V2C **884206**
EMC FILTER TRI V2B **884205**
EMC SINGLE PHASE **884213**
GATE CMD **884204**
GE ION CHAMBER PREAMP W LR SWAP **884215**
GENERIC IF V2 ..... **884214**
HEATER V4 NO PROGRAMMED **884209**
kV MEAS **884202**
LVPS 400 V3 ..... **884210**
PPC KV CONTROL **885017**
QUAD SNUBBER V1A **884208**
ROTATION V2E **884207**
STD HV TANK **884211**



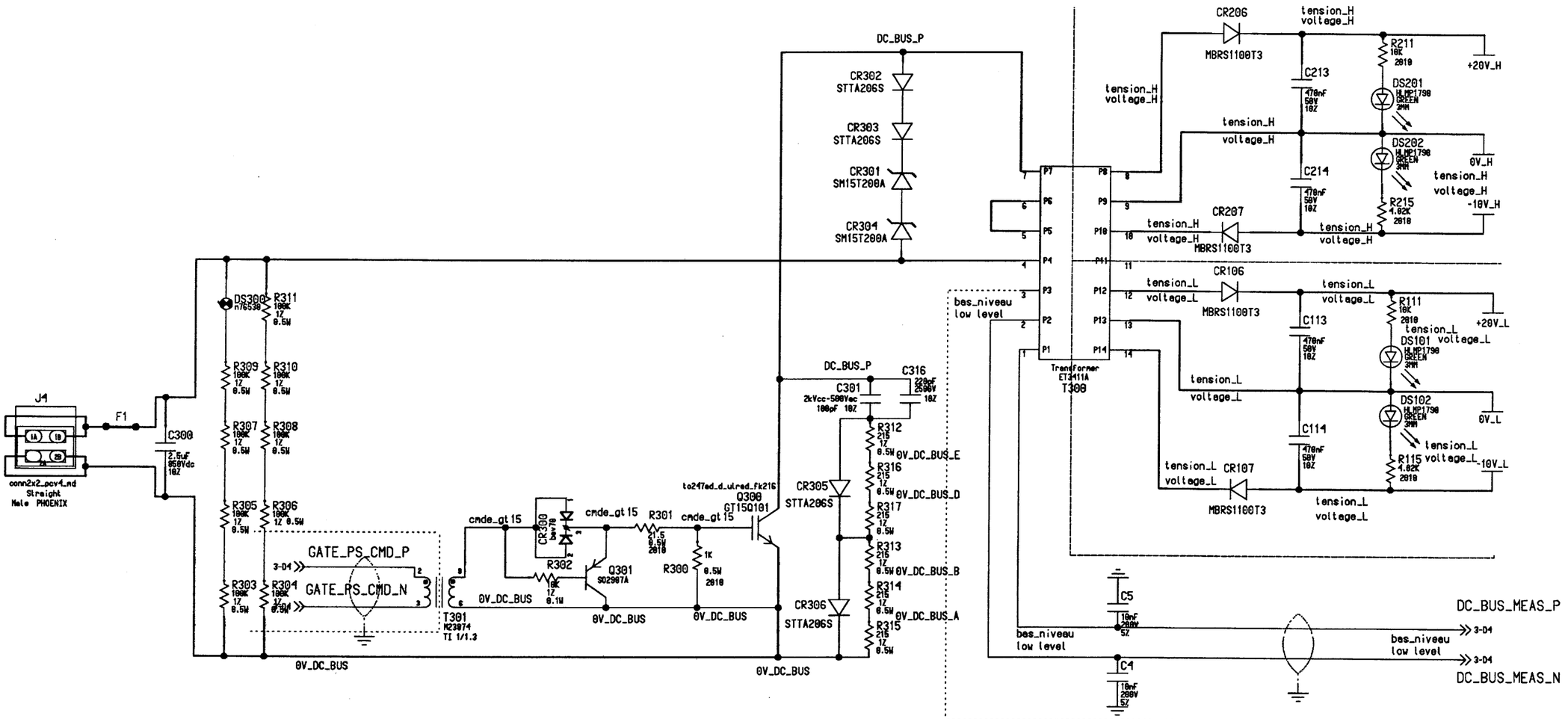
BLOCK PATHNAME	$PROJECT_JEDI/kv_meas_v2b_ASM/kv_meas_v2b							BLOCK SHT 1 OF 1			
REV 001 PCN BUCge41312 MADE BY ASSE	DESCRIPTION C1-C2 1NF-200V ALD 10NF-200V DATE 28/04/99	APPR BY P. RICHARD	DATE 28/04/99	MADE BAPTISTE	DATE 07/02/96	GE Medical Systems BUC - FRANCE		DESIGN TITLE KV_MEAS FIRST MADE FOR JEDI			
REV PCN XXXXXXX MADE BY NAME	DESCRIPTION XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX DATE DD/MM/YY	APPR BY NAME	DATE DD/MM/YY	CHECK CASTEIGNAU	DATE DD/MM/YY			DRAWING NO. 2184565SCH	REV 001	SIZE 3	SHT/CONT. ON 1 / 1
				APPR NAME	DATE DD/MM/YY						
				OTHER NAME	DATE DD/MM/YY						

00-884202-01 A



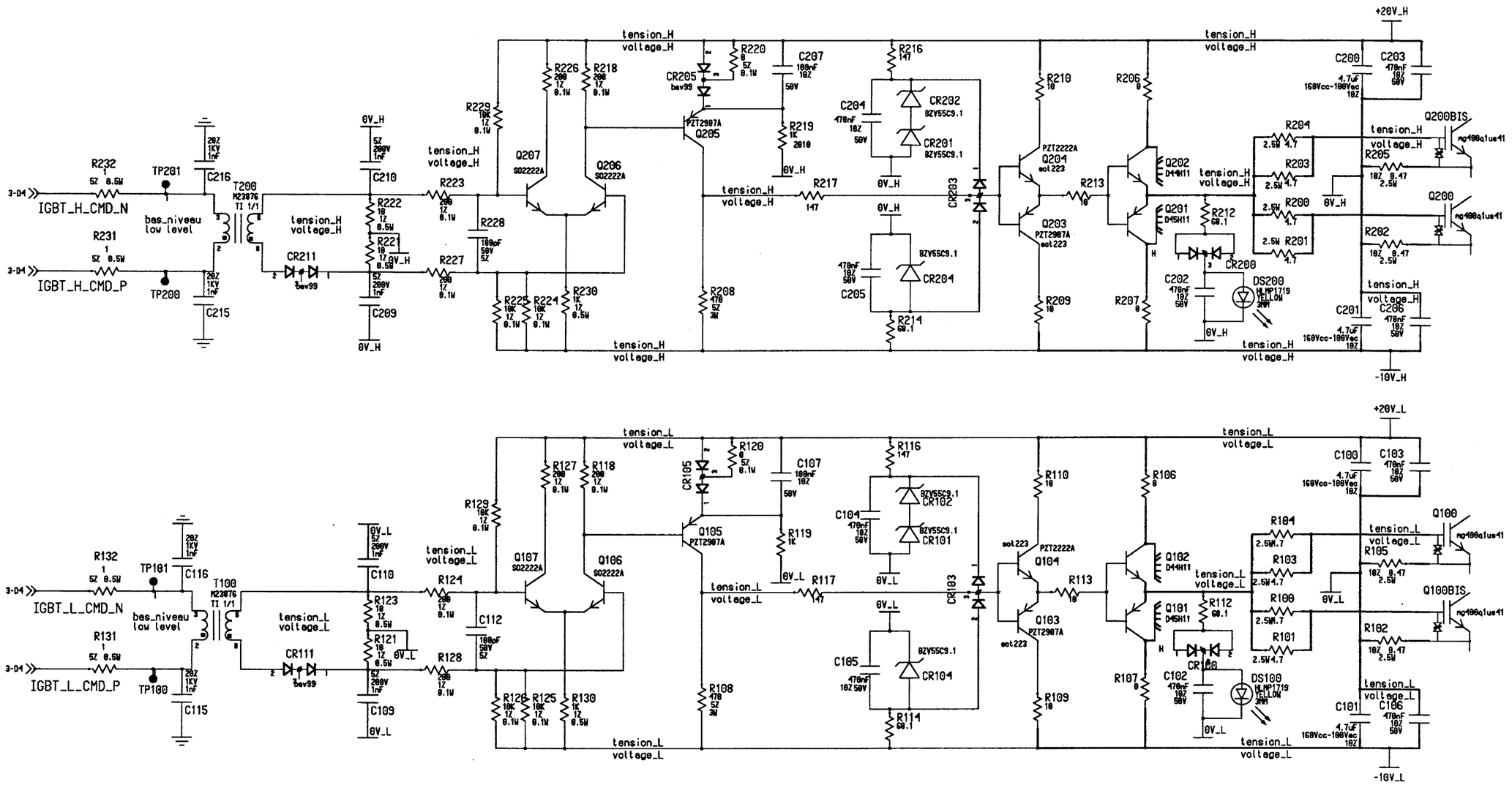
BLOCK PATHNAME	$PROJECT_JEDI/ac_dc_v2d_ASM/ac_dc_v2d							BLOCK SHT 1 OF 2			
REV PCN MADE BY	DESCRIPTION DATE	APPR BY	DATE	MADE ASSE CHECK SOTO APPR OTHER	DATE 29/03/01 DATE 29/03/01 DATE DATE	GE Medical Systems BUC - FRANCE		DESIGN TITLE AC_DC_V2D FIRST MADE FOR JEDI			
REV PCN MADE BY	DESCRIPTION DATE	APPR BY	DATE					DRAWING NO. 2208974-2SCH	REV A	SIZE 3	SHT/CONT. ON 1 / 2

00-884203-01 A



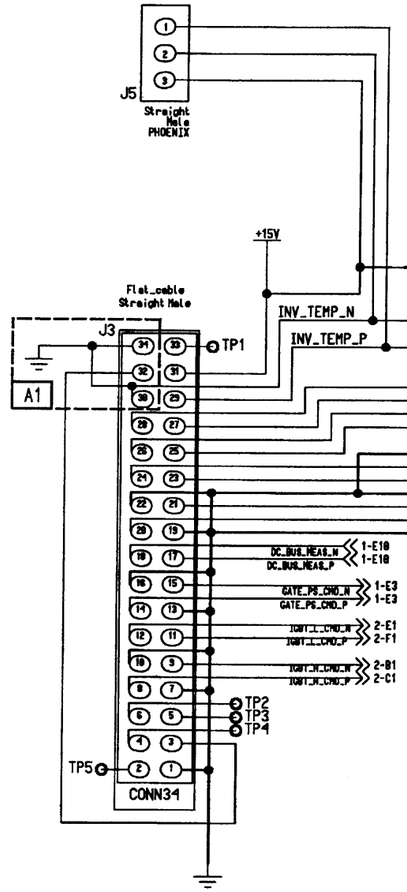
BLOCK PATHNAME	$PROJECT_JEDI/gate_cmd_v2d_ASM/gate_cmd_v2d							BLOCK SHT 1 OF 5			
REV A PCN BUCge63330	DESCRIPTION CONNECT J3 PIN 30 AND J3 PIN 34			MADE ASSE	DATE 28/06/01	GE Medical Systems BUC - FRANCE		DESIGN TITLE GATE CMD			
MADE BY ASSE	DATE 28/06/01	APPR BY BAPTISTE	DATE 28/06/01	CHECK BAPTISTE	DATE 28/06/01			FIRST MADE FOR JEDI			
REV PCN XXXXXXXX	DESCRIPTION XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX			APPR NAME	DATE DD/MM/YY			DRAWING NO. 2209547-2SCH	REV A	SIZE 3	SHT/CONT. ON 1 / 5
MADE BY NAME	DATE DD/MM/YY	APPR BY NAME	DATE DD/MM/YY	OTHER NAME	DATE DD/MM/YY						

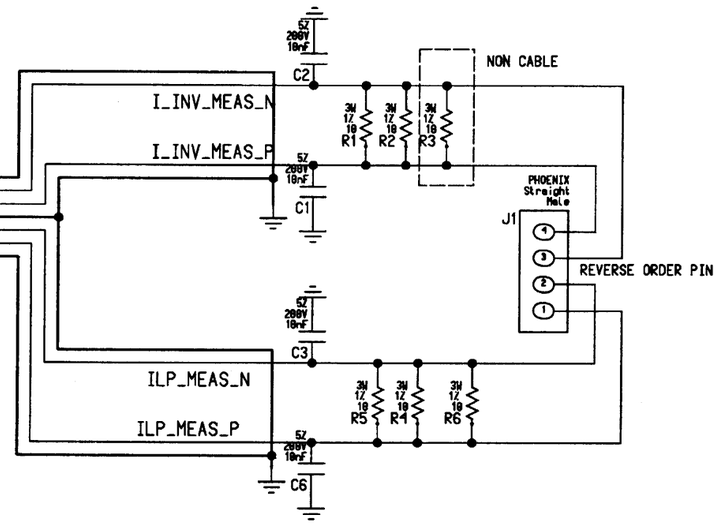
00-884204-01 A

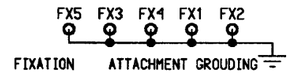


BLOCK PATHNAME	$PROJECT_JEDI/gate_cmd_v2d_ASM/gate_cmd_v2d					BLOCK SHT 2 OF 5	
REV A PCN BUCge63330 DESCRIPTION CONNECT J3 PIN 30 AND J3 PIN 34		MADE ASSE	DATE 28/06/01	GE Medical Systems BUC - FRANCE		DESIGN TITLE GATE CMD	
MADE BY ASSE DATE 28/06/01 APPR BY BAPTISTE DATE 28/06/01		CHECK BAPTISTE	DATE 28/06/01			FIRST MADE FOR JEDI	
REV PCN XXXXXXXX DESCRIPTION XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX		APPR NAME	DATE DD/MM/YY			DRAWING NO. 2209547-2SCH	REV A / SIZE 3 / SHT/CONT. ON 2 / 5
MADE BY NAME DATE DD/MM/YY APPR BY NAME DATE DD/MM/YY		OTHER NAME	DATE DD/MM/YY				

00-884204-01 A







BLOCK PATHNAME $PROJECT_JEDI/gate_cmd_v2d_ASM/gate_cmd_v2d						BLOCK SHT 3 OF 5	
REV A PCN BUCge63330 DESCRIPTION CONNECT J3 PIN 30 AND J3 PIN 34 MADE BY ASSE DATE 28/06/01 APPR BY BAPTISTE DATE 28/06/01	MADE ASSE DATE 28/06/01 CHECK BAPTISTE DATE 28/06/01 APPR NAME DATE DD/MM/YY OTHER NAME DATE DD/MM/YY	GE Medical Systems BUC - FRANCE	DESIGN TITLE GATE CMD FIRST MADE FOR JEDI				
REV PCN XXXXXXXX DESCRIPTION XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX MADE BY NAME DATE DD/MM/YY APPR BY NAME DATE DD/MM/YY			DRAWING NO. 2209547-2SCH	REV A	SIZE 3	SHT/CONT. ON 3 / 5	

CC-BB4204-01 A

Remarks sheet

By default, every non indicated-tolerance for resistors are 1%
By default, every non indicated-power-value for resistors are 0.5W
By default, every non indicated-tolrance for capacitors are 20%
Isolation DC_BUS/TERRE 6mm (air) 10,5mm (ligne de fuite)
Insulation DC_BUS/GROUND 6mm (air) 10,5mm (creepage distance)
Isolation DC_BUS+/DC_BUS- 4mm (air) 7mm (ligne de fuite)
Insulation DC_BUS+/DC_BUS- 4mm (air) 7mm (creepage distance)
ISOLATION 200V = 3 mm
INSULATION 200V = 3 mm
ISOLATION 300V = 4 mm
INSULATION 300V = 4 mm
ISOLATION 800V = 7 mm
INSULATION 800V = 7 mm

MODIF. REF.	NUM PAGE	LOCAL TOPO	DESCRIPTION OF MODIFICATION	NUMBER SPR
A1	3	C2	CONNECT J3 PIN 30 AND J3 PIN 34 (GND)	BUCge63330

00-884204-01 A

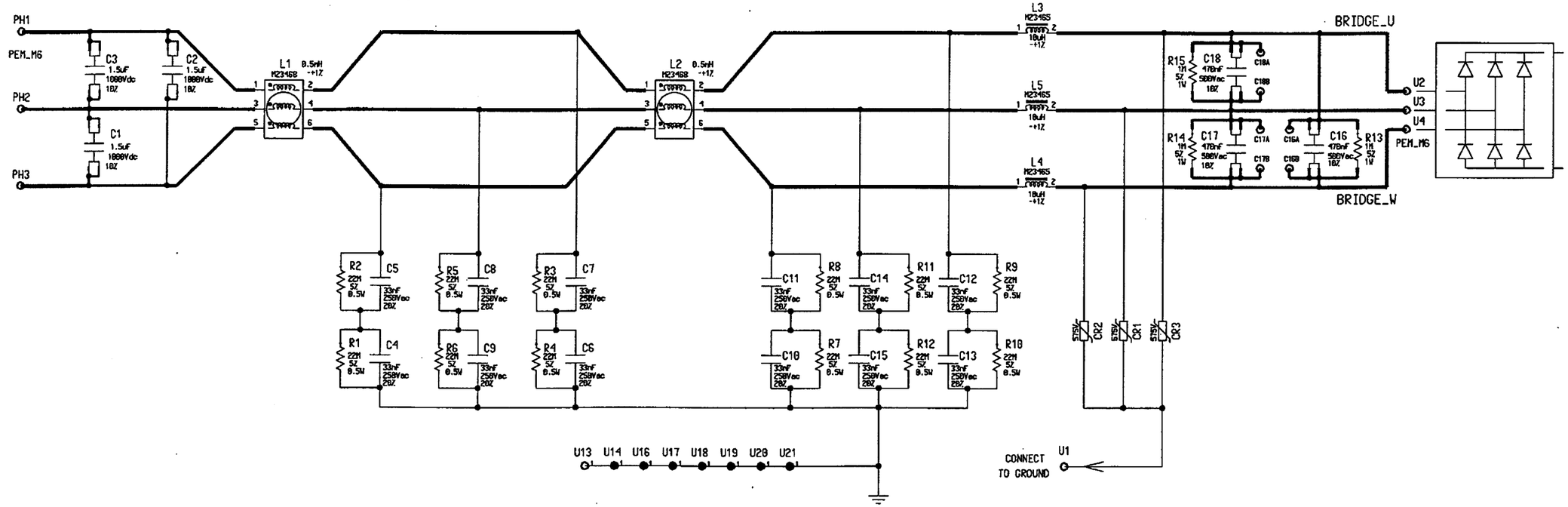
	DC_BUS	0V_DC_BUS	0V_DC_BUS_A	0V_DC_BUS_B	0V_DC_BUS_C	0V_DC_BUS_D	0V_DC_BUS_E	0V_DC_BUS_F	DC_BUS_P	DC_BUS_A	DC_BUS_B	DC_BUS_C	DC_BUS_D	DC_BUS_E	DC_BUS_F	DC_BUS_G	DC_BUS_H	CMDE_GT15	BAS_NIVEAU LOW_LEVEL	TENSION_L VOLTAGE_L	TENSION_H VOLTAGE_H	DC_BUS_P1
DC_BUS	X	7	7	7	7	7	7	7	7	3	4	6	4	2	3	4	5	7	10.5	7	7	7
0V_DC_BUS	7	X	2	3	4	5	6	7						5	4	3	2	0.12	10.5	7	7	7
0V_DC_BUS_A	7	2	X																10.5			
0V_DC_BUS_B	7	3		X															10.5			
0V_DC_BUS_C	7	4			X														10.5			
0V_DC_BUS_D	7	5				X													10.5			
0V_DC_BUS_E	7	6					X												10.5			
CV_DC_BUS_F	7	7						X	7										10.5			
DC_BUS_P	7							7	X				4					7	10.5	7	7	
DC_BUS_A	3									X									10.5			
DC_BUS_B	4										X								10.5			
DC_BUS_C	6											X							10.5			
DC_BUS_D	4								4				X						10.5			
DC_BUS_E	2	5												X	2				10.5			
DC_BUS_F	3	4												2	X	2			10.5			
DC_BUS_G	4	3													2	X	2		10.5			
DC_BUS_H	5	2														2	X		10.5			
CMDE_GT15	7	0.12							7									X	10.5			
BAS_NIVEAU LOW_LEVEL	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5	X	10.5	10.5	10.5
TENSION_L VOLTAGE_L	7	7							7									10.5	X	7	7	
TENSION_H VOLTAGE_H	7	7							7									10.5	7	X	7	
DC_BUS_P1	7	7							7									10.5	7	7	X	

BLOCK PATHNAME $PROJECT_JEDI/gate_cmd_v2d_ASM/gate_cmd_v2d

BLOCK SHT 5 OF 5

REV A PCN BUCge63330 DESCRIPTION CONNECT J3 PIN 30 AND J3 PIN 34	MADE ASSE DATE 28/06/01	GE Medical Systems BUC - FRANCE	DESIGN TITLE GATE CMD
MADE BY ASSE DATE 28/06/01 APPR BY BAPTISTE DATE 28/06/01	CHECK BAPTISTE DATE 28/06/01		FIRST MADE FOR JEDI
REV PCN XXXXXXXX DESCRIPTION XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX	APPR NAME DATE DD/MM/YY		DRAWING NO. 2209547-2SCH / REV A / SIZE 3 / SHT/CONT. ON 5 / 5
MADE BY NAME DATE DD/MM/YY APPR BY NAME DATE DD/MM/YY	OTHER NAME DATE DD/MM/YY		

00-884204-01 A



BLOCK PATHNAME	$PROJECT_JEDI/emc_tri_v2c_ASM/emc_tri_v2c						BLOCK SHT 1 OF 2				
REV PCN MADE BY	DESCRIPTION DATE	APPR BY	DATE	MADE ASSE	DATE 29/02/00	GE Medical Systems BUC - FRANCE		DESIGN TITLE	EMC FILTER TRI V2B		
REV PCN MADE BY	DESCRIPTION DATE	APPR BY	DATE	CHECK MOUSSAY	DATE 29/02/00			FIRST MADE FOR	JEDI		
				APPR DUMOURIER	DATE 29/02/00			DRAWING NO. 2209840-2SCH	REV A	SIZE 3	SHT/CONT. ON 1 / 2
				OTHER	DATE						

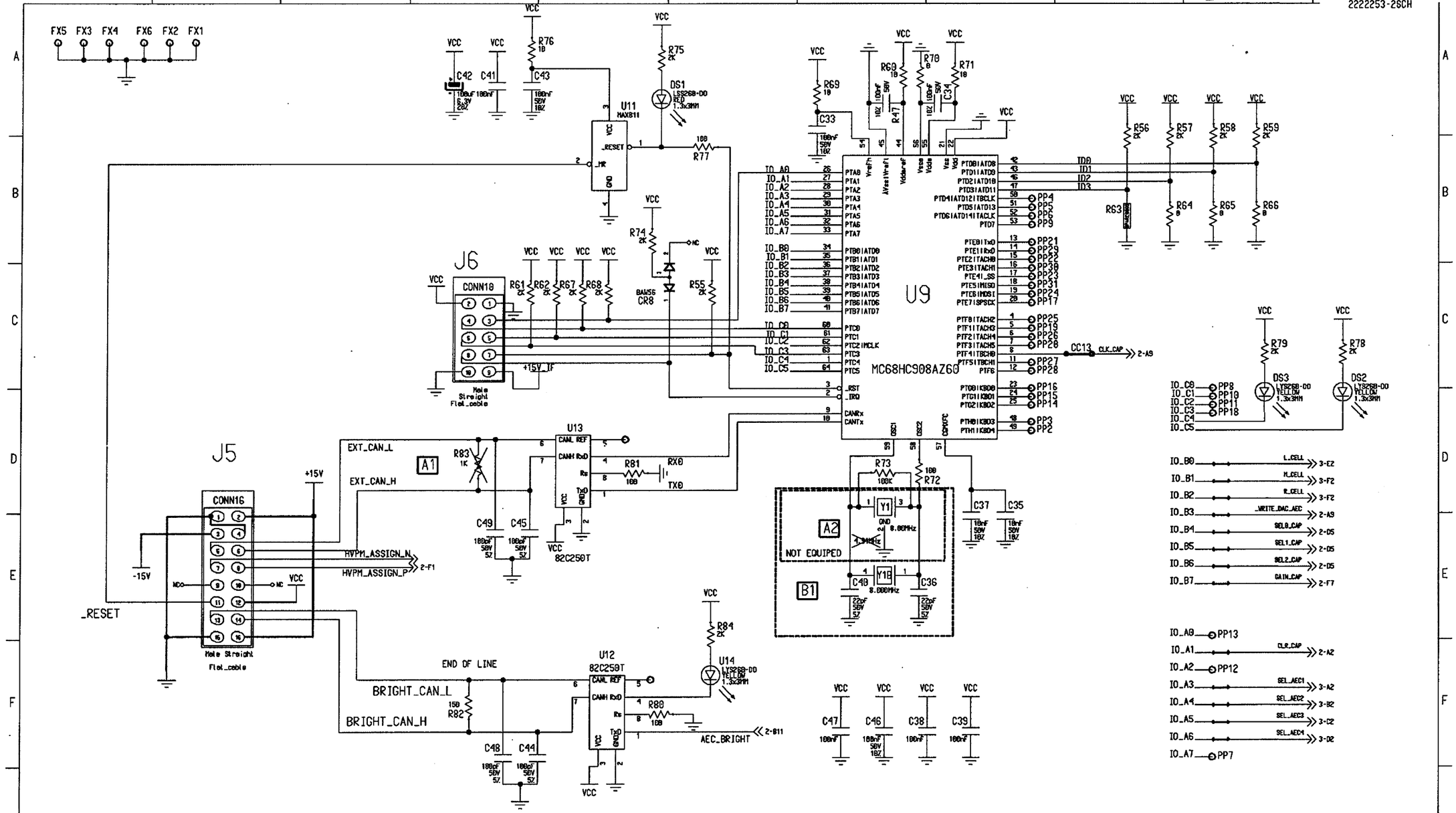
00-884205-01 A

Remarks sheet

Isolation DC_BUS/TERRE 4.5mm (air) 8mm (ligne de fuite)
Insulation DC_BUS/GROUND 4,5mm (air) 8mm (creepage distance)

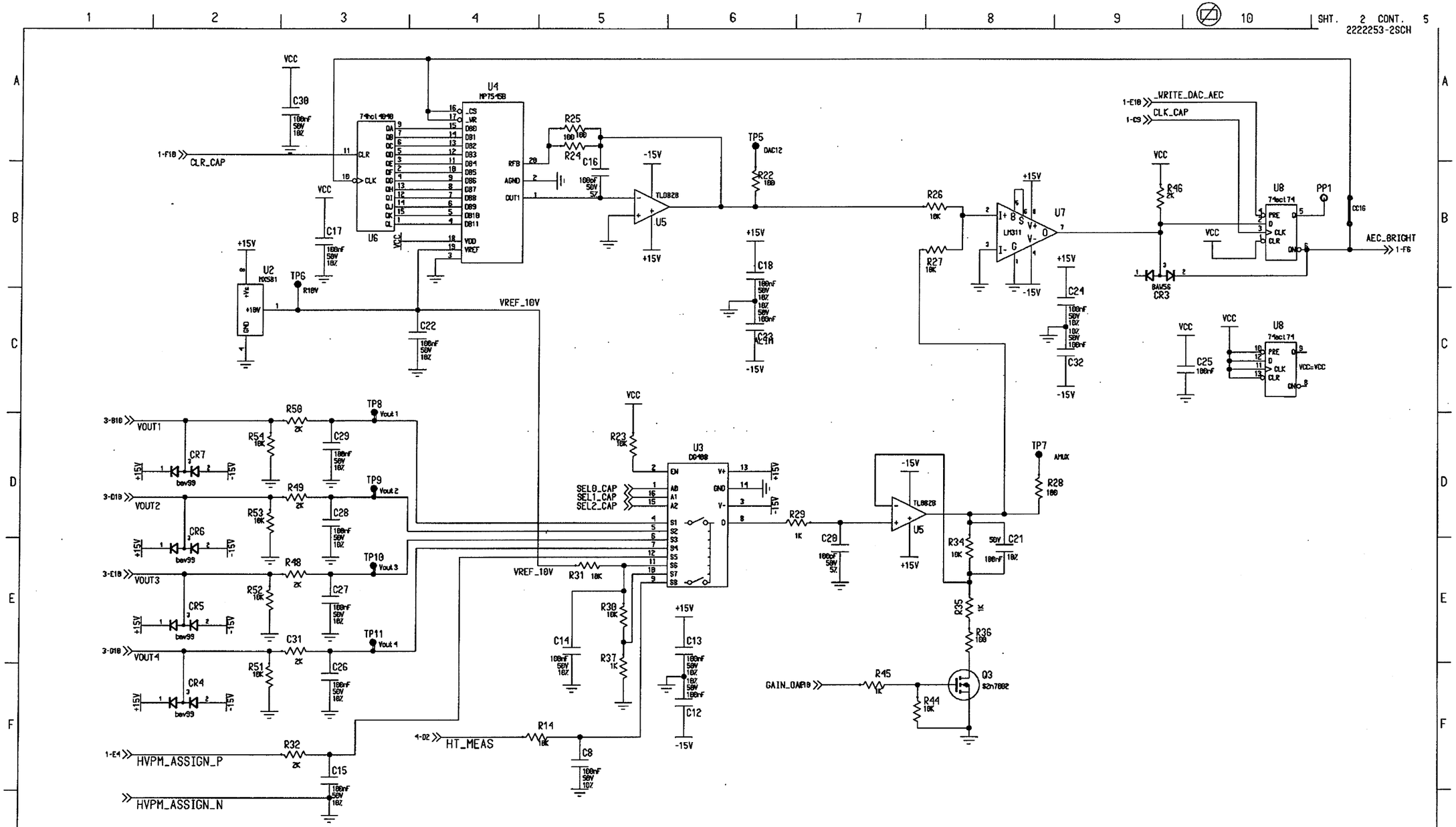
Isolation DC_BUS+/DC_BUS- 3mm (air) 5.5mm (ligne de fuite)
Insulation DC_BUS+/DC_BUS- 3mm (air) 5,5mm (creepage distance)

00-884205-01 A



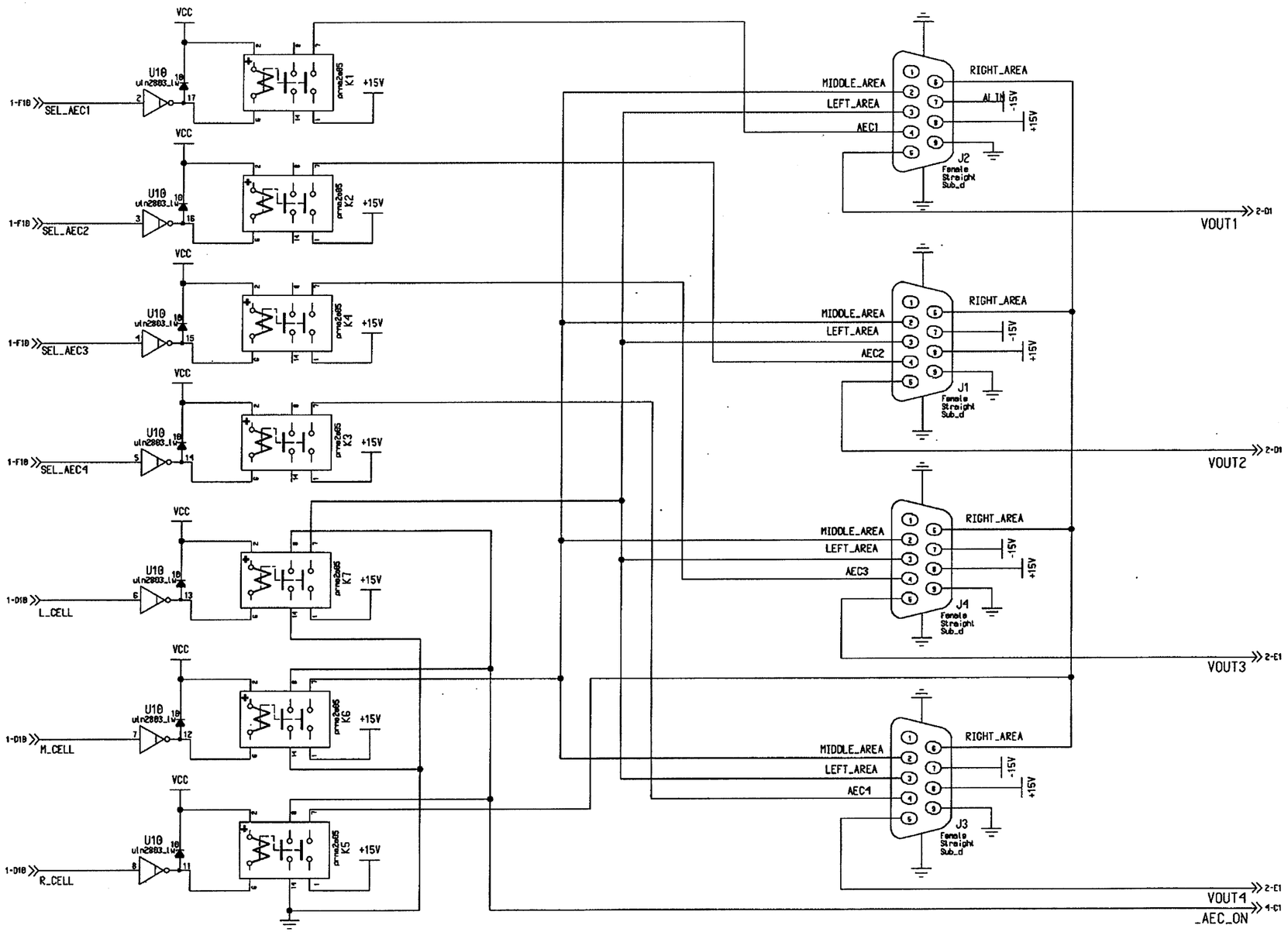
BLOCK PATHNAME	$PROJECT_JEDI/aec_v2c2_ASM/aec_v2c2								BLOCK SHT 1 OF 5		
REV A PCN BUCge51077	DESCRIPTION REPLACE RESONNATOR 4.91MHz BY 8.00MHz			MADE ASSE	DATE 21/03/00		CE Medical Systems BUC - FRANCE		DESIGN TITLE AEC_V2C		
MADE BY ASSE	DATE 20/03/00	APPR BY DUMOURIER	DATE 20/03/00	CHECK DUMOURIER	DATE 21/03/00				FIRST MADE FOR JEDI		
REV 001 PCN BUCge58248	DESCRIPTION REPLACE Y1 BY 8.00MH C36-C40 BY 22PF			APPR NAME	DATE DD/MM/YY				DRAWING NO. 2222253-2SCH	REV 001	SIZE 3
MADE BY ASSE	DATE 08/11/00	APPR BY 09/11/00	DATE FOCIONE	OTHER NAME	DATE DD/MM/YY						SHT/CONT. ON 1 / 5

00-884206-01 A



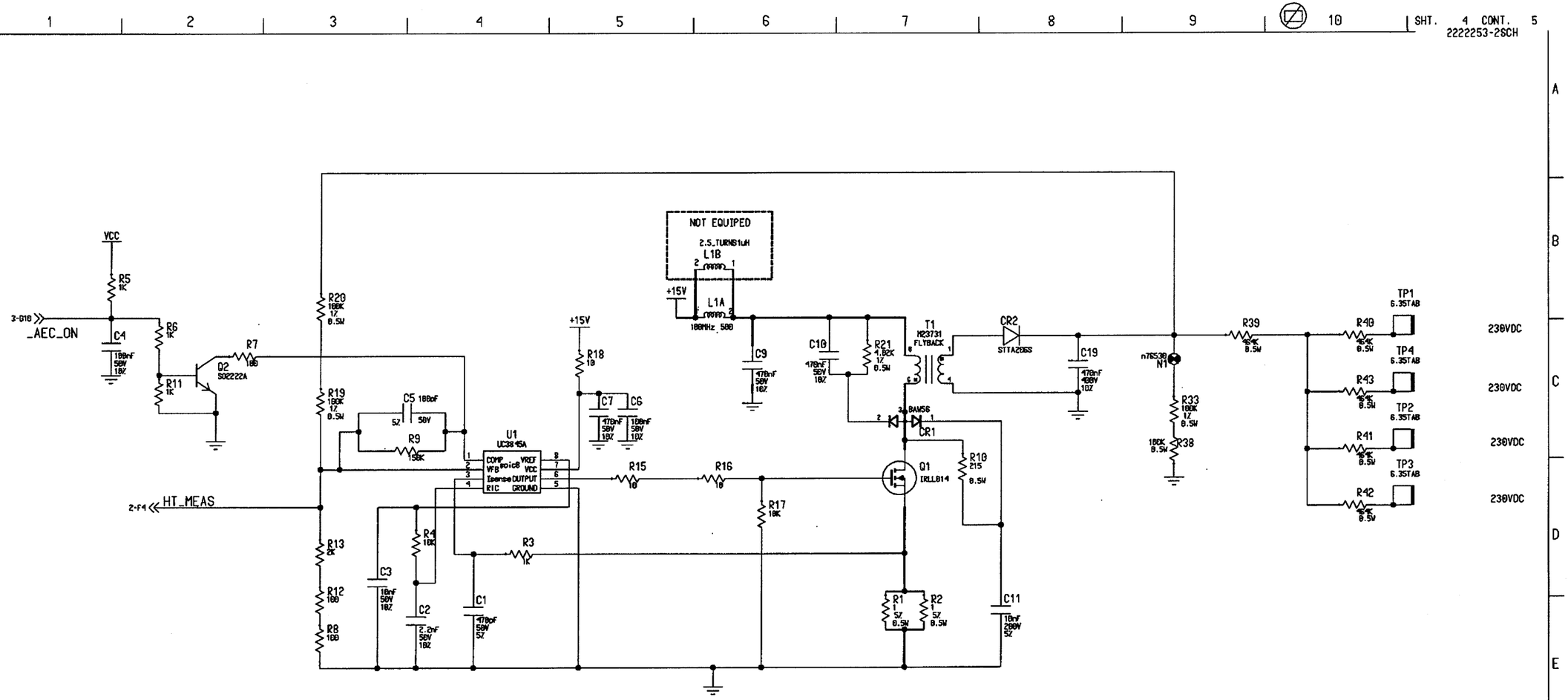
BLOCK PATHNAME $PROJECT_JEDI/aec_v2c2_ASM/aec_v2c2								BLOCK SHT 2 OF 5			
REV A PCN BUCge51077 DESCRIPTION REPLACE RESONNATOR 4.91MHz BY 8.00MHz MADE BY ASSE DATE 20/03/00 APPR BY DUMOURIER DATE 20/03/00				MADE ASSE DATE 21/03/00 CHECK DUMOURIER DATE 21/03/00 APPR NAME DATE DD/MM/YY OTHER NAME DATE DD/MM/YY		GE Medical Systems BUC - FRANCE		DESIGN TITLE AEC_V2C FIRST MADE FOR JEDI			
REV 001 PCN BUCge58248 DESCRIPTION REPLACE Y1 BY 8.00MH C36-C40 BY 22PF MADE BY ASSE DATE 08/11/00 APPR BY 09/11/00 DATE FOCIONE								DRAWING NO. 2222253-2SCH	REV 001	SIZE 3	SHT/CONT. ON 2 / 5

00-884206-01 A



BLOCK PATHNAME $PROJECT_JEDI/aec_v2c2_ASM/aec_v2c2									BLOCK SHT 3 OF 5		
REV A PCN BUCge51077 DESCRIPTION REPLACE RESONNATOR 4.91MHz BY 8.00MHz MADE BY ASSE DATE 20/03/00 APPR BY DUMOURIER DATE 20/03/00				MADE ASSE DATE 21/03/00 CHECK DUMOURIER DATE 21/03/00 APPR NAME DATE DD/MM/YY OTHER NAME DATE DD/MM/YY		GE Medical Systems BUC - FRANCE		DESIGN TITLE AEC_V2C FIRST MADE FOR JEDI			
REV 001 PCN BUCge58248 DESCRIPTION REPLACE Y1 BY 8.00MH C36-C40 BY 22PF MADE BY ASSE DATE 08/11/00 APPR BY 09/11/00 DATE FOCIONE								DRAWING NO. 2222253-2SCH	REV 001	SIZE 3	SHT/CONT. ON 3 / 5

00-884206-01 A



BLOCK PATHNAME $PROJECT_JEDI/aec_v2c2_ASM/aec_v2c2			BLOCK SHT 4 OF 5
REV A PCN BUCge51077 DESCRIPTION REPLACE RESONNATOR 4.91MHz BY 8.00MHz MADE BY ASSE DATE 20/03/00 APPR BY DUMOURIER DATE 20/03/00	MADE ASSE DATE 21/03/00 CHECK DUMOURIER DATE 21/03/00 APPR NAME DATE DD/MM/YY OTHER NAME DATE DD/MM/YY	GE Medical Systems BUC - FRANCE	DESIGN TITLE AEC_V2C FIRST MADE FOR JEDI
REV 001 PCN BUCge58248 DESCRIPTION REPLACE Y1 BY 8.00MH C36-C40 BY 22PF MADE BY ASSE DATE 08/11/00 APPR BY 09/11/00 DATE FOCIONE			DRAWING NO. 2222253-2SCH / REV 001 / SIZE 3 / SHT/CONT. ON 4 / 5

00-884206-01 A

Remarks sheet

By default, every non-indecated-tolerance for resistors are 1%
By default, every non-indecated-power-value for resistors are 0.1W

MODIF. REF.	NUM PAGE	LOCAL TOPO	DESCRIPTION OF MODIFICATION	NUMBER SPR
A1	1	D4	SUPPRIMER LA RESISTANCE R83 SUPPRESS RESISTOR R83	BUCge51077
A2	1	E7	REMPLACER RESONNATEUR Y1 4.91MHz PAR 8.00MHz REPLACE RESONNATOR Y1 4.91MHz BY 8.00MHz	
B1.	1	D4	SUPPRIMER Y1 SUPPRESS Y1 CONNECTER Y1B 8.00MHz AINSI QUE C36-C40 (22PF) CONNECT Y1B 8.00MHz AND C36-C40 (22PF)	BUCge58248

BLOCK PATHNAME $PROJECT_JEDI/aec_v2c2_ASM/aec_v2c2

BLOCK SHT 5 OF 5

REV A PCN BUCge51077 DESCRIPTION REPLACE RESONNATOR 4.91MHz BY 8.00MHz
MADE BY ASSE DATE 20/03/00 APPR BY DUMOURIER DATE 20/03/00
REV 001 PCN BUCge58248 DESCRIPTION REPLACE Y1 BY 8.00MH C36-C40 BY 22PF
MADE BY ASSE DATE 08/11/00 APPR BY 09/11/00 DATE FOCIONE

MADE ASSE DATE 21/03/00
CHECK DUMOURIER DATE 21/03/00
APPR NAME DATE DD/MM/YY
OTHER NAME DATE DD/MM/YY

GE Medical Systems
BUC - FRANCE

DESIGN TITLE AEC_V2C
FIRST MADE FOR JEDI
DRAWING NO. 2222253-2SCH
REV 001
SIZE 3
SHT/CONT. ON 5 / 5

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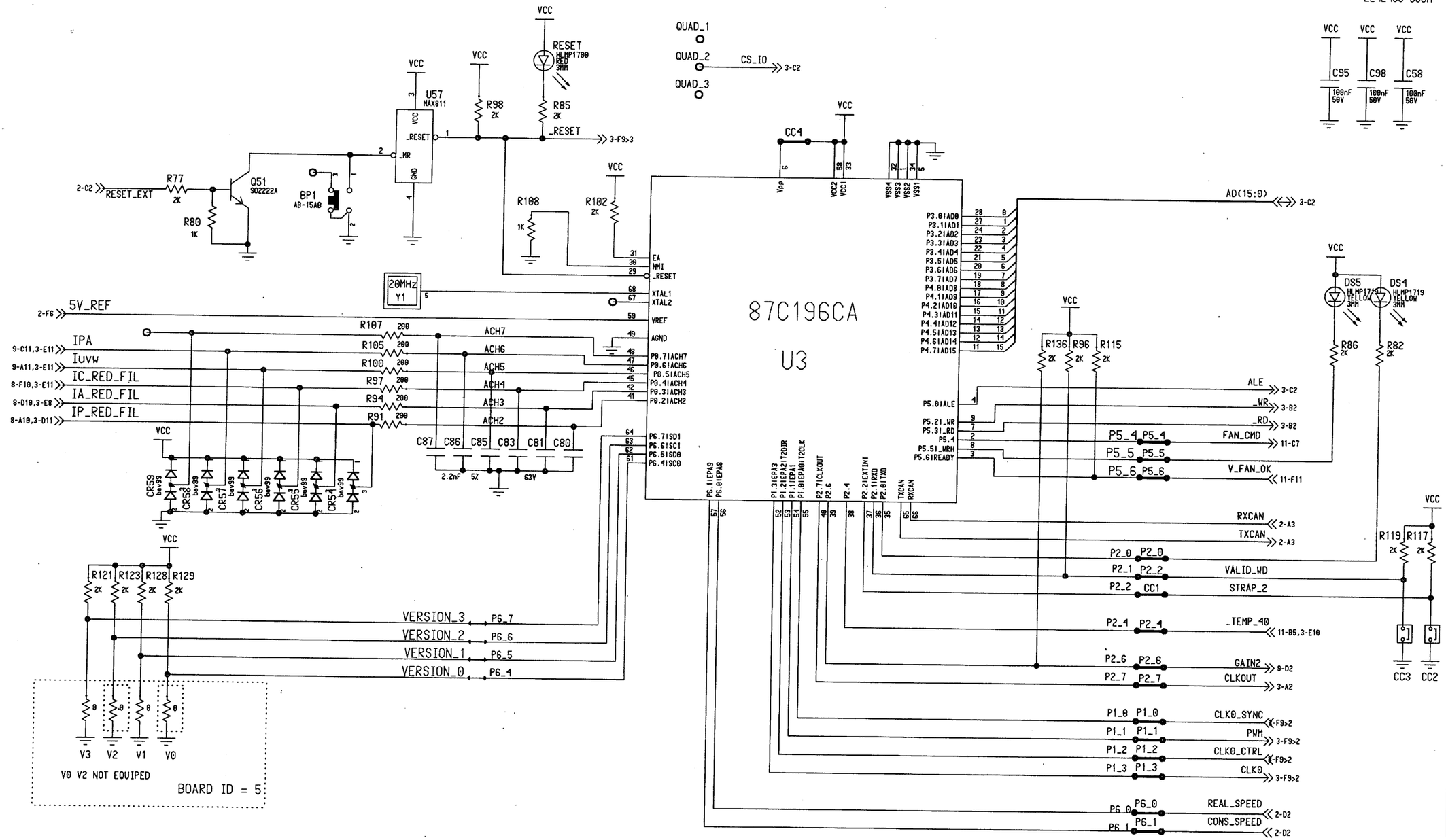

BLOCK PATHNAME	$PROJECT_JEDI/rotation_v2e_ASM/rotation_v2e				BLOCK SHT 1 OF 12		
REV B PCN MADE BY ASSE	DESCRIPTION MAJ ID DATE 23/03/01 APPR BY GUILLERMO	DATE 23/03/01	MADE ASSE	DATE 26/09/00	GE Medical Systems BUC - FRANCE	DESIGN TITLE ROTATION_V2E FIRST MADE FOR JEDI	
REV C PCN MADE BY ASSE	DESCRIPTION CORRECTION ID DATE 29/03/01 APPR BY GUILLERMO	DATE 29/03/01	CHECK GUILLERMO	DATE 26/09/00		DRAWING NO. 2242438-3SCH	REV C / SIZE 3 / SHT/CONT. ON 1 / 12
			APPR	DATE			
			OTHER	DATE			

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VCC C96 100nF 50V; VCC C89 100nF 50V; VCC C61 100nF 50V; VCC C53 100nF 50V

U54 82C250T soic8
1-E10 TXCAN
1-D10 RXCAN
R61 100
R53 1K
C51 100pF 63V 5%
C50 100pF 63V 5%
CC10
R62 2K 1% 0.1W

U53 MAX485 soic8 — MAINS_DROP_L / R52 1K / MAINS_DROP_H
U52 MAX485 soic8 — RESET_H / R51 1K / RESET_L
U51 MAX485 soic8 — REAL_SPEED_H / R55 1K / REAL_SPEED_L
U55 MAX485 soic8 — CONS_SPEED_H / R63 1K / CONS_SPEED_L

U56 74hc14: _MAINS_DROP (3-F9>3) → R74 100K 0 → C63 100nF 50V 10Z; R58 4.99K
U56 74hc14: RESET_EXT (1-B2) → R66 100K 0 → C62 100nF 50V 10Z; R59 4.99K
U56 74hc14: REAL_SPEED (1-G10)
U56 74hc14: CONS_SPEED (1-G10)

CONN26 J1A — Male Straight Flat_cable
CONN26 J1 — Male Straight Flat_cable
C8 C9 C6 C7 C5

TP1 P15V
C55 330nF 63V 20Z
R57 10K
DS1 HLMP1790 GREEN 3MM
DS2 HLMP1790 GREEN 3MM
C60 330nF 63V 20Z
R65 10K
TP2 M15V

P15V C120 100nF 50V; M15V C119 100nF 50V

P15V U58 MX581 +18V GND
R144 20K 0.1Z
R143 20K 0.1Z
C93 100nF 50V
TL8848 U60
P15V R159 1K Q60 SO2222A
M15V
VCC CR69 bav99
C94 100nF 50V
REF10V
R161 0
C103 100nF 50V
5V_REF 1-C1

TP8 TP5 TP7 TP9 TP6 TP10
GND_HOLE GND_HOLE GND_HOLE GND_HOLE
GND_HOLE GND_HOLE GND_HOLE GND_HOLE

BLOCK PATHNAME	$PROJECT_JEDI/rotation_v2e_ASM/rotation_v2e		BLOCK SHT 2 OF 12
REV B PCN MADE BY ASSE	DESCRIPTION MAJ ID DATE 23/03/01 APPR BY GUILLERMO	DATE 23/03/01	
REV C PCN MADE BY ASSE	DESCRIPTION CORRECTION ID DATE 29/03/01 APPR BY GUILLERMO	DATE 29/03/01	
MADE ASSE	DATE 26/09/00	GE Medical Systems BUC - FRANCE	DESIGN TITLE ROTATION_V2E; FIRST MADE FOR JEDI
CHECK GUILLERMO	DATE 26/09/00		DRAWING NO. 2242438-3SCH; REV C; SIZE 3; SHT/CONT. ON 2 / 12
APPR	DATE		
OTHER	DATE		

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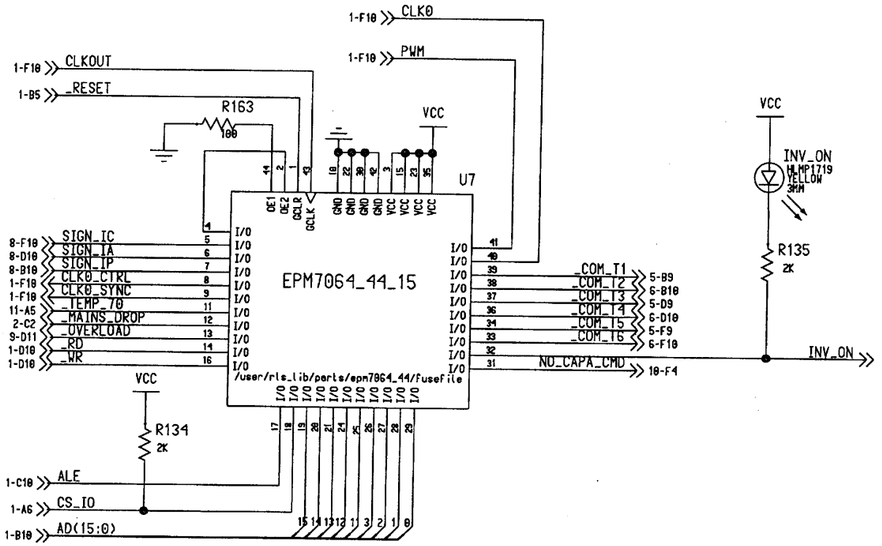
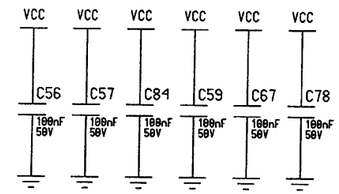
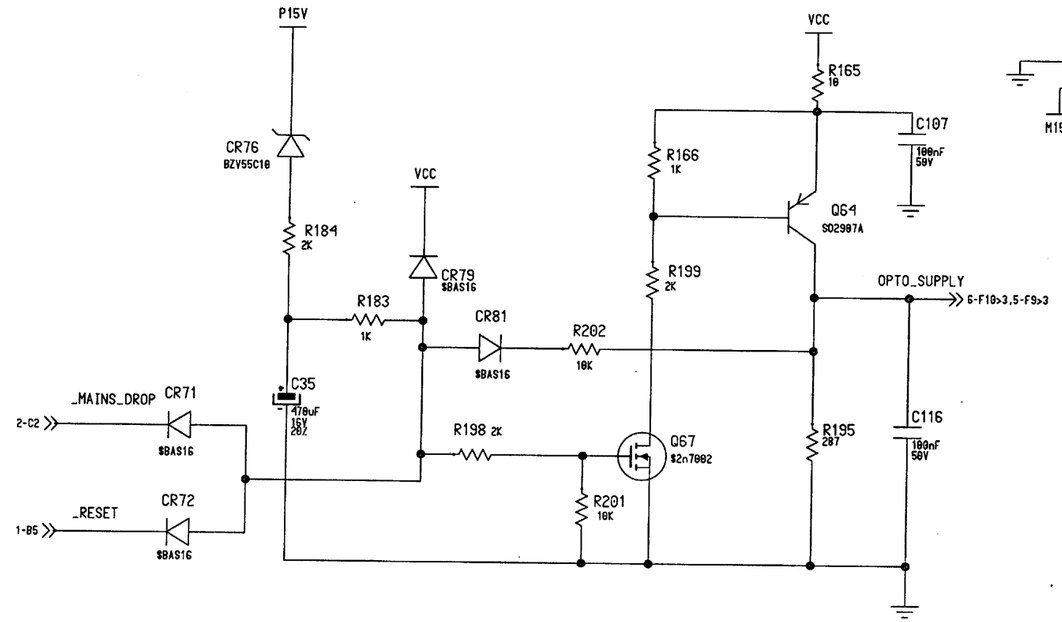
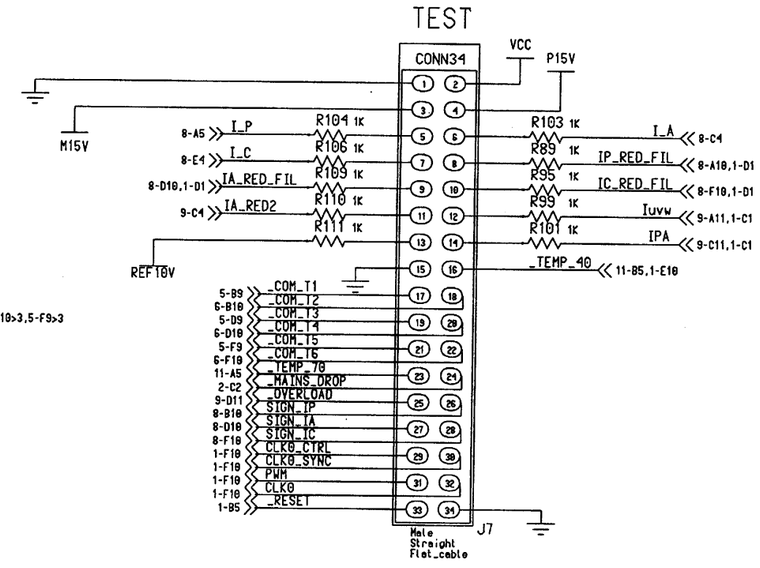








BLOCK PATHNAME	$PROJECT_JEDI/rotation_v2e_ASM/rotation_v2e					BLOCK SHT 3 OF 12	
REV B PCN MADE BY ASSE	DESCRIPTION MAJ ID DATE 23/03/01 APPR BY GUILLERMO DATE 23/03/01	MADE ASSE CHECK GUILLERMO APPR OTHER	DATE 26/09/00 DATE 26/09/00 DATE DATE	GE Medical Systems BUC - FRANCE	DESIGN TITLE ROTATION_V2E FIRST MADE FOR JEDI		
REV C PCN MADE BY ASSE	DESCRIPTION CORRECTION ID DATE 29/03/01 APPR BY GUILLERMO DATE 29/03/01				DRAWING NO. 2242438-3SCH	REV C	SIZE 3	SHT/CONT. ON 3 / 12

00-884207-01 A

DC_BUS_P
11-F5 >>
800v
R81 100K 1% 0.5W
R92 100K 1% 0.5W
R84 100K 1% 0.5W
R78 100K 1% 0.5W
DS7 n76530
DC_BUS_N
11-G5 >>
800v

L2
6A
2x2.5mH 800V
2 A0002 8
1 A0001 7 800V

R22 22M 5% 0.5W
C11 22nF 250VAC 20%
R13 22M 5% 0.5W
C6 22nF 250VAC 20%

CF_P
CF_N
C39 2.2uF 850Vcc-450Vac

5-D6 >> G3
5-D6 >> E3
5-F6 >> G5
5-F6 >> E5
5-B6 >> G1
5-B6 >> E1
6-B7 >> G2
6-B7 >> E2
6-F7 >> G6
6-F7 >> E6
6-D7 >> G4
6-D7 >> E4

U30
BSM35GD120DN2
14 P+
13 N-
15 U
16 V
17 W
S1 G1 S2 G2 S3 G3
G4 S4 G5 S5 G6 S6

U_C
11-F5,10-B9>2
Ip 8-A2
C125 10nF 50V 10% R39 75 1% 0.5W
1V -> 8A
V_P
10-D3
IA 8-C2
C123 10nF 50V 10% R38 75 1% 0.5W
1V -> 8A
W_A
10-C3

BLOCK PATHNAME	$PROJECT_JEDI/rotation_v2e_ASM/rotation_v2e					BLOCK SHT 4 OF 12	
REV B PCN MADE BY ASSE	DESCRIPTION MAJ ID DATE 23/03/01 APPR BY GUILLERMO	DATE 23/03/01	MADE ASSE CHECK GUILLERMO APPR OTHER	DATE 26/09/00 DATE 26/09/00 DATE DATE	GE Medical Systems BUC - FRANCE	DESIGN TITLE ROTATION_V2E FIRST MADE FOR JEDI	
REV C PCN MADE BY ASSE	DESCRIPTION CORRECTION ID DATE 29/03/01 APPR BY GUILLERMO	DATE 29/03/01				DRAWING NO. 2242438-3SCH	REV C / SIZE 3 / SHT/CONT. ON 4 / 12

00-884207-01 A

7-B9 ALIM_T1P
CR5 $bav20
C8 220uF 35V 20%
7-B9 ALIM_T1N
7-B9 ALIM_T3P
CR6 $bav20
C9 220uF 35V 20%
7-B9 ALIM_T3N
7-B9 ALIM_T5P
CR7 $bav20
C10 220uF 35V 20%
7-C9 ALIM_T5N

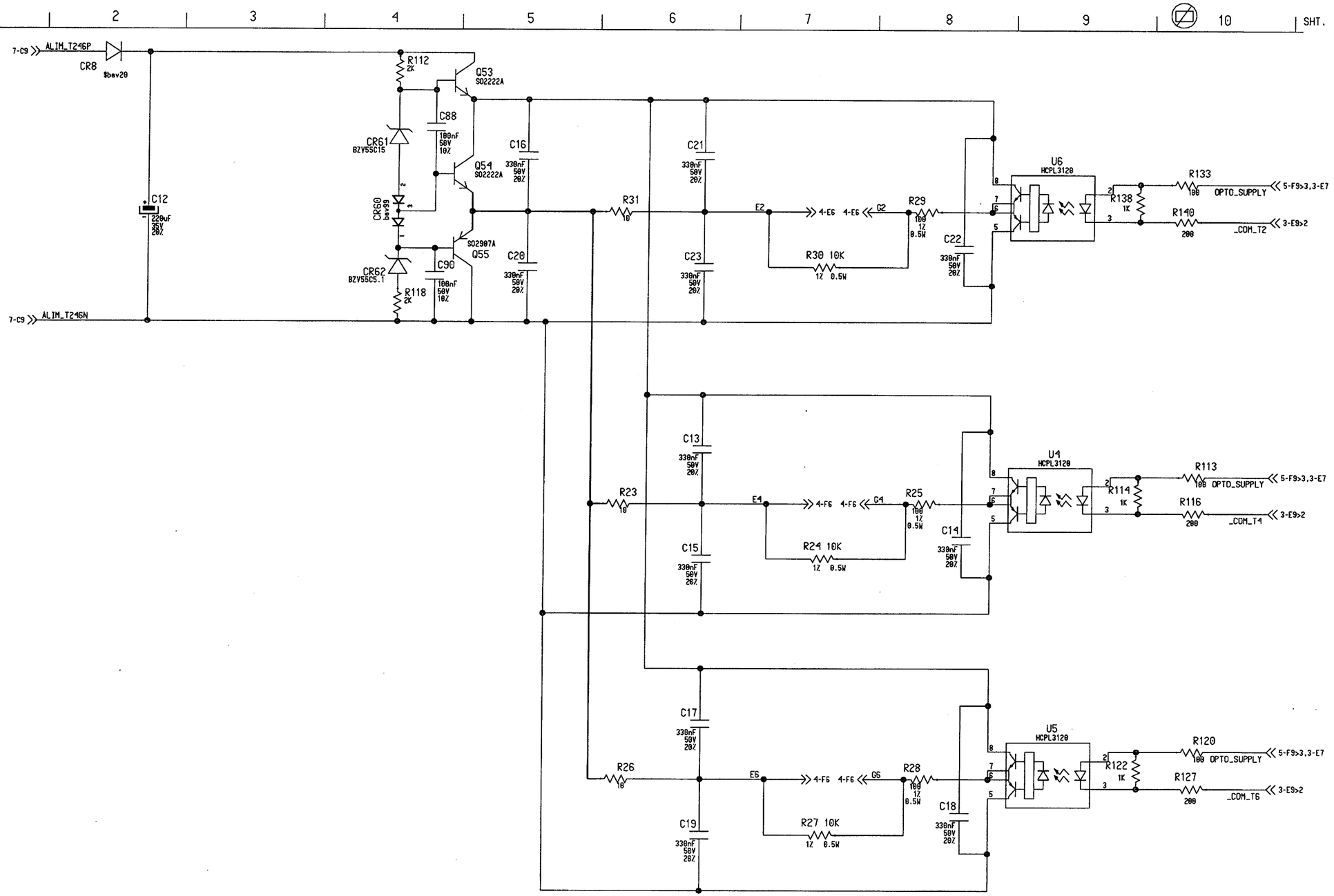
R208 2K
Q65 SO2222A
C122 100nF 50V 10%
CR83 BZV55C15
C30 330nF 50V 20%
Q66 SO2222A
CR82 bav99
SO2907A Q68
CR84 BZV55C5.1
C121 100nF 50V 10%
R207 2K
C32 330nF 50V 20%
E1 4-B6 4-B6 G1
R36 10K 1% 0.5W
R37 100 1% 0.5W
C31 330nF 50V 20%
U10 HCPL3120
R206 100 OPTO_SUPPLY 6-F10>3,3-E7
R209 1K
R216 200 _COM_T1 3-E9>2

R176 2K
Q61 SO2222A
C111 100nF 50V 10%
CR77 BZV55C15
C27 330nF 50V 20%
Q62 SO2222A
CR75 bav99
SO2907A Q63
CR78 BZV55C5.1
C110 100nF 50V 10%
R175 2K
C29 330nF 50V 20%
E3 4-A6 4-A6 G3
R35 10K 1% 0.5W
R34 100 1% 0.5W
C28 330nF 50V 20%
U9 HCPL3120
R172 100 OPTO_SUPPLY 6-F10>3,3-E7
R180 1K
R185 200 _COM_T3 3-E9>2

R154 2K
Q56 SO2222A
C102 100nF 50V 10%
CR67 BZV55C15
C24 330nF 50V 20%
Q57 SO2222A
CR65 bav99
SO2907A Q59
CR68 BZV55C5.1
C101 100nF 50V 10%
R153 2K
C26 330nF 50V 20%
E5 4-B6 4-B6 G5
R33 10K 1% 0.5W
R32 100 1% 0.5W
C25 330nF 50V 20%
U8 HCPL3120
R152 100 OPTO_SUPPLY 6-F10>3,3-E7
R156 1K
R158 200 _COM_T5 3-E9>2

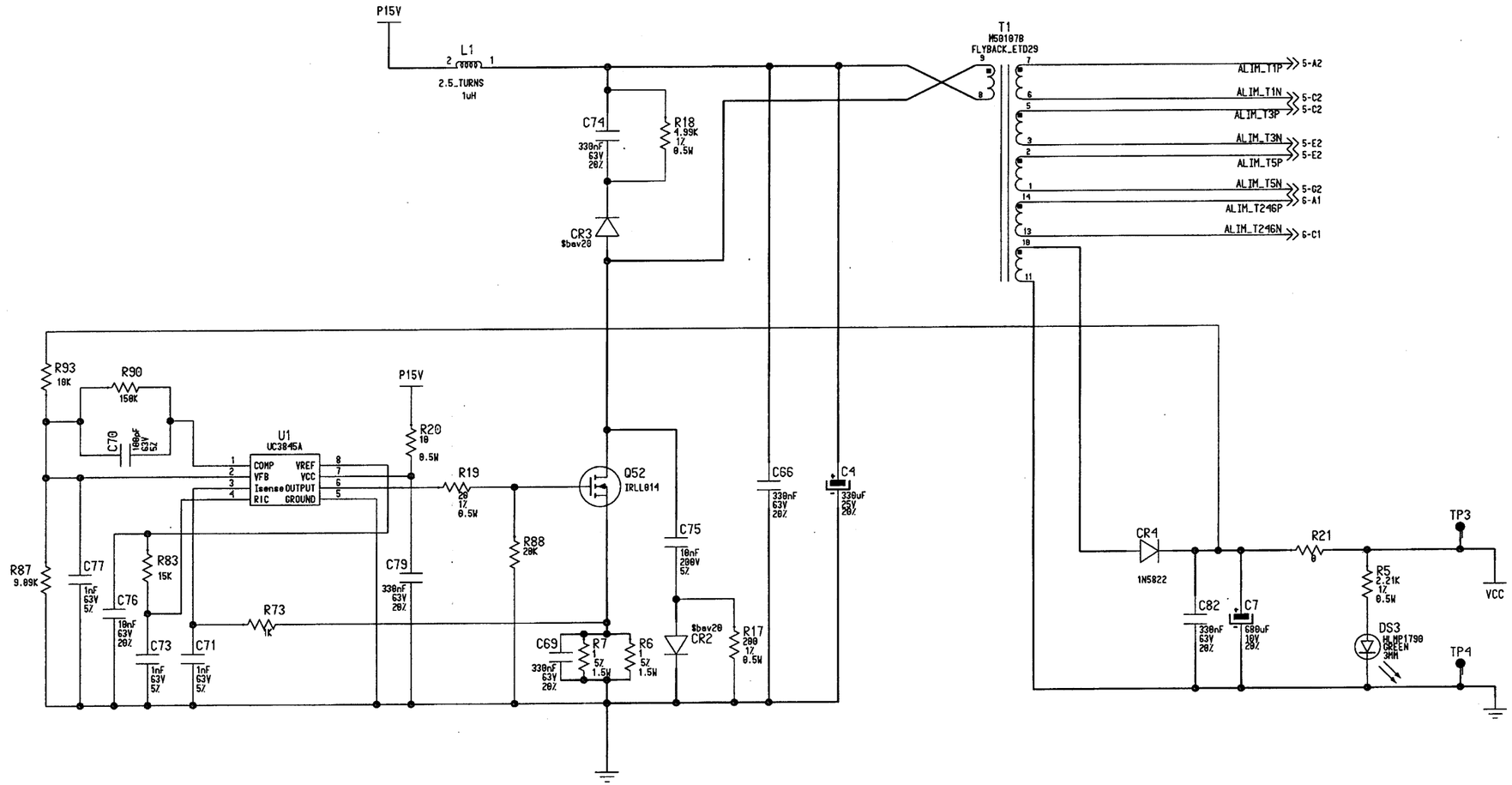
BLOCK PATHNAME	$PROJECT_JEDI/rotation_v2e_ASM/rotation_v2e			BLOCK SHT 5 OF 12	
REV B PCN MADE BY ASSE	DESCRIPTION MAJ ID DATE 23/03/01 APPR BY GUILLERMO	DATE 23/03/01	MADE ASSE DATE 26/09/00	GE Medical Systems BUC - FRANCE	DESIGN TITLE ROTATION_V2E FIRST MADE FOR JEDI
REV C PCN MADE BY ASSE	DESCRIPTION CORRECTION ID DATE 29/03/01 APPR BY GUILLERMO	DATE 29/03/01	CHECK GUILLERMO DATE 26/09/00 APPR DATE OTHER DATE		DRAWING NO. 2242438-3SCH / REV C / SIZE 3 / SHT/CONT. ON 5 / 12

00-884207-01 A



BLOCK PATHNAME $PROJECT_JEDI/rotation_v2e_ASM/rotation_v2e				BLOCK SHT 6 OF 12	
REV B PCN MADE BY ASSE	DESCRIPTION MAJ ID DATE 23/03/01 APPR BY GUILLERMO DATE 23/03/01	MADE ASSE DATE 26/09/00 CHECK GUILLERMO DATE 26/09/00 APPR DATE OTHER DATE	GE Medical Systems BUC - FRANCE	DESIGN TITLE ROTATION_V2E FIRST MADE FOR JEDI	
REV C PCN MADE BY ASSE	DESCRIPTION CORRECTION ID DATE 29/03/01 APPR BY GUILLERMO DATE 29/03/01			DRAWING NO. 2242438-3SCH	REV C / SIZE 3 / SHT/CONT. ON 6 / 12

00-884207-01 A



BLOCK PATHNAME $PROJECT_JEDI/rotation_v2e_ASM/rotation_v2e				BLOCK SHT 7 OF 12	
REV B PCN MADE BY ASSE	DESCRIPTION MAJ ID DATE 23/03/01 APPR BY GUILLERMO DATE 23/03/01	MADE ASSE DATE 26/09/00 CHECK GUILLERMO DATE 26/09/00 APPR DATE OTHER DATE	GE Medical Systems BUC - FRANCE	DESIGN TITLE ROTATION_V2E FIRST MADE FOR JEDI	
REV C PCN MADE BY ASSE	DESCRIPTION CORRECTION ID DATE 29/03/01 APPR BY GUILLERMO DATE 29/03/01			DRAWING NO. 2242438-3SCH	REV C / SIZE 3 / SHT/CONT. ON 7 / 12

00-884207-01 A

IP
IA
IC

R218 20K
R220 10K
R213 10K
R217 10K
R197 20K
R204 10K
R192 10K
R196 10K
R168 20K
R173 10K
R214 20K
R193 20K
R167 10K

M15V
P15V
TL084B
U67
U65
U63
1V = 2A
I_P 3-D8
I_A 3-D11
I_C 3-D8
4-C10
4-D10
CR85 $BAS16
CR80 $BAS16
CR73 $BAS16

C109 C100 C105 C130 C118 C92 100nF 50V
C108 C99 C91 C112 C104 C129 100nF 50V

U66 lm311
U64 lm311
U62 lm311
VCC
R212 2K
R203 2K
R191 2K
R221 10K
R219 10K
R205 10K
R200 10K
R181 10K
R169 10K
C126 C115 C106 10nF 63V 20%
C131 C124 C114 10nF 63V 20%
R226 1M
R215 1M
R194 1M

R223 100K
C38 470nF 50V 20%
R222 100K
R211 100K
C37 470nF 50V 20%
R210 100K
R190 100K
C36 470nF 50V 20%
R189 100K

9-A1
3-D11,1-D1
3-E8,1-D1
3-E11,1-D1
3-F9>2

IP_RED
IP_RED_FIL
SIGN_IP
IA_RED
IA_RED_FIL
SIGN_IA
IC_RED
IC_RED_FIL
SIGN_IC

BLOCK PATHNAME	$PROJECT_JEDI/rotation_v2e_ASM/rotation_v2e					BLOCK SHT 8 OF 12	
REV B PCN MADE BY ASSE	DESCRIPTION MAJ ID DATE 23/03/01 APPR BY GUILLERMO	DATE 23/03/01	MADE ASSE CHECK GUILLERMO APPR OTHER	DATE 26/09/00 DATE 26/09/00 DATE DATE	GE Medical Systems BUC - FRANCE	DESIGN TITLE ROTATION_V2E FIRST MADE FOR JEDI	
REV C PCN MADE BY ASSE	DESCRIPTION CORRECTION ID DATE 29/03/01 APPR BY GUILLERMO	DATE 29/03/01				DRAWING NO. 2242438-3SCH	REV C / SIZE 3 / SHT/CONT. ON 8 / 12

00-884207-01 A

8-A10 IP_RED
8-E10 IC_RED
8-C10 IA_RED

CR66 bav70
CR70 bav70
R164 10K
M15V

R170 100K
C34 287 50V 10nF
U61 TL084B
M15V
P15V
R171 10K
Iuvw 3-E11,1-C1
R174 10K
CR71 bav70
R182 10K

CR64 bav70
R155 10K
R157 10K
R160 10K
IA_RED2 3-E8

R150 100K
R151 100K
C33 287 50V 10nF
R149 10K
IPA 3-E11,1-C1
R147 10K
CR63 bav70
R162 10K

Q58 $2n7002
1-F10 GAIN2
R148 4.99K

REF10V
R145 10K
R146 10K
R142 10K
R139 10K
VCC
R137 2K
R141 100K
U59 lm311
_OVERLOAD 3-F9,2

M15V P15V
C117 C127 C113 C128
100nF 50V

BLOCK PATHNAME	$PROJECT_JEDI/rotation_v2e_ASM/rotation_v2e		BLOCK SHT 9 OF 12
REV B PCN MADE BY ASSE	DESCRIPTION MAJ ID DATE 23/03/01 APPR BY GUILLERMO DATE 23/03/01	MADE ASSE DATE 26/09/00 CHECK GUILLERMO DATE 26/09/00 APPR DATE OTHER DATE	GE Medical Systems BUC - FRANCE
REV C PCN MADE BY ASSE	DESCRIPTION CORRECTION ID DATE 29/03/01 APPR BY GUILLERMO DATE 29/03/01		DESIGN TITLE ROTATION_V2E FIRST MADE FOR JEDI DRAWING NO. 2242438-3SCH / REV C / SIZE 3 / SHT/CONT. ON 9 / 12

00-884207-01 A

U_C
11-F5,4-C11

ROT_C
11-F5,4-C11

W_A
4-E11

CF11
R132 100K 1Z 0.5W
R131 100K 1Z 0.5W
R124 100K 1Z 0.5W
CF12
R126 100K 1Z 0.5W
R125 100K 1Z 0.5W
R130 100K 1Z 0.5W

ROT_A
11-F5

K2
12VCC
SP2

V_P
4-D11

CF9
R186 100K 1Z 0.5W
R187 100K 1Z 0.5W
R188 100K 1Z 0.5W
CF10
R177 100K 1Z 0.5W
R178 100K 1Z 0.5W
R179 100K 1Z 0.5W

ROT_P
11-F5

P15V
bav99
CR86

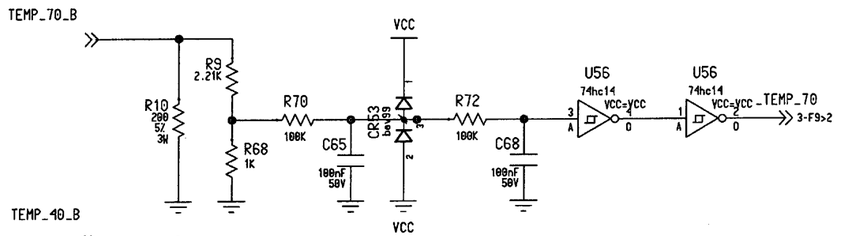
R41 10
R40 10

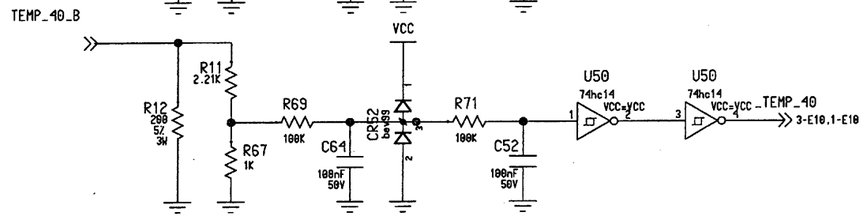
NO_CAPA_CMD
3-B5

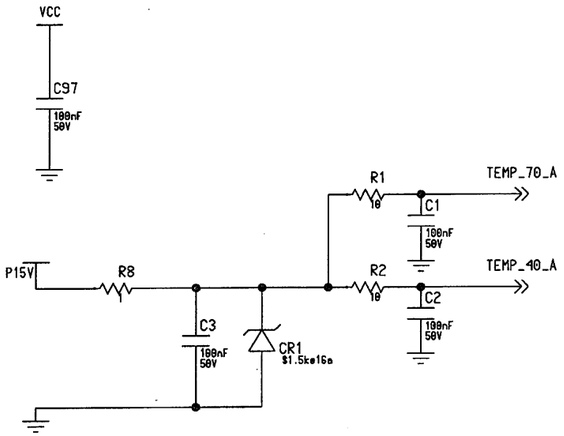
R224 2K
Q69 SO2222A
R225 1K

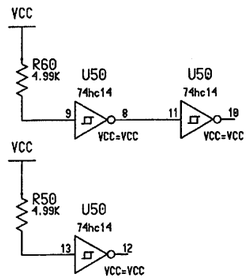
BLOCK PATHNAME	$PROJECT_JEDI/rotation_v2e_ASM/rotation_v2e		BLOCK SHT 10 OF 12
REV B PCN MADE BY ASSE	DESCRIPTION MAJ ID DATE 23/03/01 APPR BY GUILLERMO DATE 23/03/01	MADE ASSE DATE 26/09/00 CHECK GUILLERMO DATE 26/09/00 APPR DATE OTHER DATE	GE Medical Systems BUC - FRANCE
REV C PCN MADE BY ASSE	DESCRIPTION CORRECTION ID DATE 29/03/01 APPR BY GUILLERMO DATE 29/03/01		DESIGN TITLE ROTATION_V2E FIRST MADE FOR JEDI DRAWING NO. 2242438-3SCH / REV C / SIZE 3 / SHT/CONT. ON 10 / 12

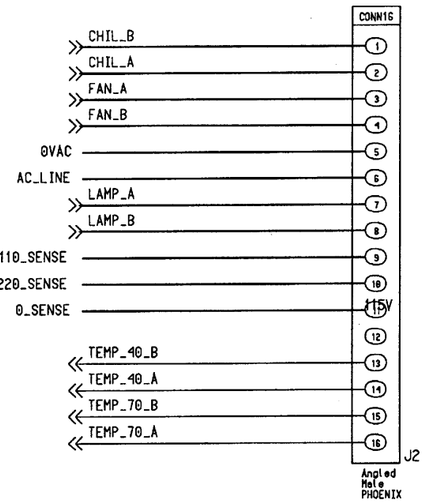
00-884207-01 A

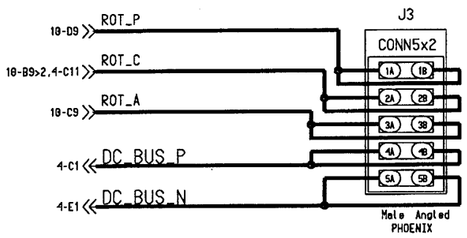


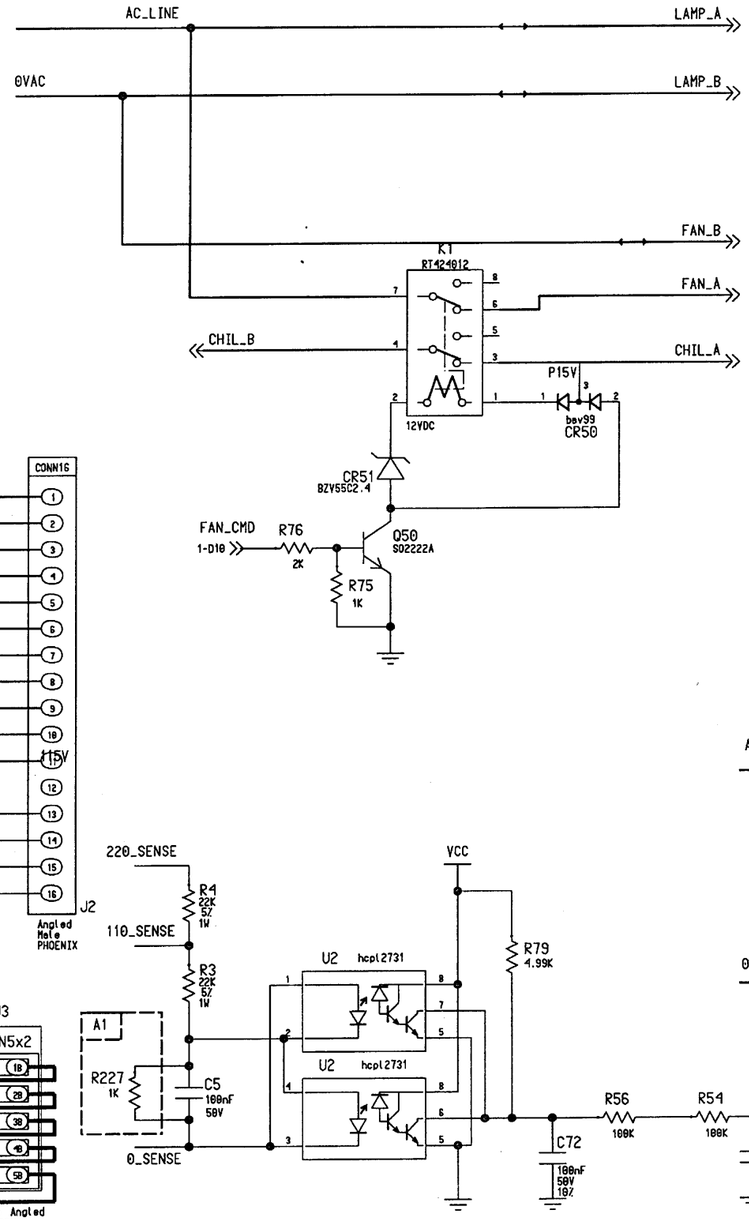












BLOCK PATHNAME	$PROJECT_JEDI/rotation_v2e_ASM/rotation_v2e					BLOCK SHT 11 OF 12	
REV B PCN MADE BY ASSE	DESCRIPTION MAJ ID DATE 23/03/01 APPR BY GUILLERMO	DATE 23/03/01	MADE ASSE CHECK GUILLERMO APPR OTHER	DATE 26/09/00 DATE 26/09/00 DATE DATE	GE Medical Systems BUC - FRANCE	DESIGN TITLE ROTATION_V2E FIRST MADE FOR JEDI	
REV C PCN MADE BY ASSE	DESCRIPTION CORRECTION ID DATE 29/03/01 APPR BY GUILLERMO	DATE 29/03/01				DRAWING NO. 2242438-3SCH	REV C / SIZE 3 / SHT/CONT. ON 11 / 12

00-884207-01 A

Remarks sheet

By default, every non indicated-tolrance for resistors are 1%
By default, every non indicated-power-value for resistors are 0.5W
By default, every non indicated-tolrance for capacitors are 20%
Isolation DC_BUS/TERRE 6mm (air) 10,5mm (ligne de fuite)
Isolation DC_BUS+/DC_BUS- 4mm (air) 7mm (ligne de fuite)
Isolation 115-230V/TERRE 2,5mm (air) 4mm (ligne de fuite)
Isolation 115-230V/entre eux 1,6mm (air) 3mm (ligne de fuite)

Insulation DC_BUS/GROUND 6mm (air) 10,5mm (creepage distance)
Insulation DC_BUS+/DC_BUS- 4mm (air) 7mm (creepage distance)
Insulation 115-230V/GROUND 2,5mm (air) 4mm (creepage distance)
Insulation 115-230V/between them 1,6mm (air) 3mm (creepage distance)

MODIFICATIONS

REPERE MODIF	NUM PAGE	LOCAL TOPO	DESCRIPTION OF THE MODIFICATION	NUMBER OFSPR
A1	11	F7	ADD RESISTOR R227 (1K) PARALLEL AT C5	

BLOCK PATHNAME $PROJECT_JEDI/rotation_v2e_ASM/rotation_v2e
BLOCK SHT 12 OF 12

REV B PCN
MADE BY ASSE
DESCRIPTION MAJ ID
DATE 23/03/01 APPR BY GUILLERMO DATE 23/03/01

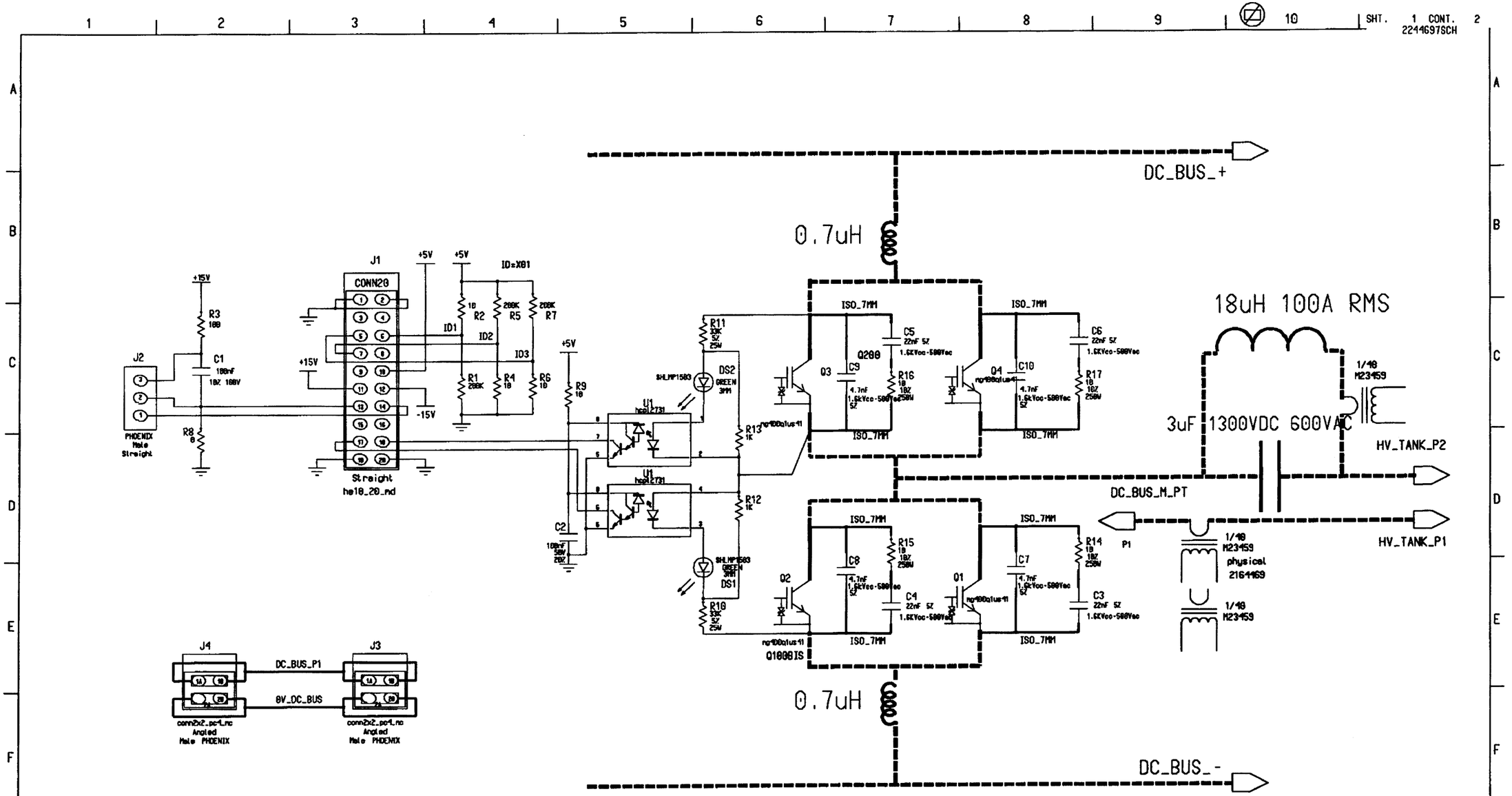
REV C PCN
MADE BY ASSE
DESCRIPTION CORRECTION ID
DATE 29/03/01 APPR BY GUILLERMO DATE 29/03/01

MADE ASSE DATE 26/09/00
CHECK GUILLERMO DATE 26/09/00
APPR DATE
OTHER DATE

GE Medical Systems
BUC - FRANCE

DESIGN TITLE ROTATION_V2E
FIRST MADE FOR JEDI
DRAWING NO. 2242438-3SCH
REV C
SIZE 3
SHT/CONT. ON 12 / 12

00-884207-01 A



BLOCK PATHNAME	$PROJECT_JEDI/quad_snub_v1e_ASM/quad_snub_v1e							BLOCK SHT 1 OF 2			
REV 1 PCN XXXXXXXX	DESCRIPTION XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX			MADE ASSE	DATE 05/05/99	GE Medical Systems BUC - FRANCE		DESIGN TITLE QUAD SNUBBER V1A			
MADE BY NAME	DATE DD/MM/YY	APPR BY NAME	DATE DD/MM/YY	CHECK BAPTISTE	DATE 05/05/99			FIRST MADE FOR JEDI			
REV 2 PCN XXXXXXXX	DESCRIPTION XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX			APPR NAME	DATE DD/MM/YY			DRAWING NO. 2244697SCH	REV A	SIZE 3	SHT/CONT. ON 1 / 2
MADE BY NAME	DATE DD/MM/YY	APPR BY NAME	DATE DD/MM/YY	OTHER NAME	DATE DD/MM/YY						

00-884208-01 A

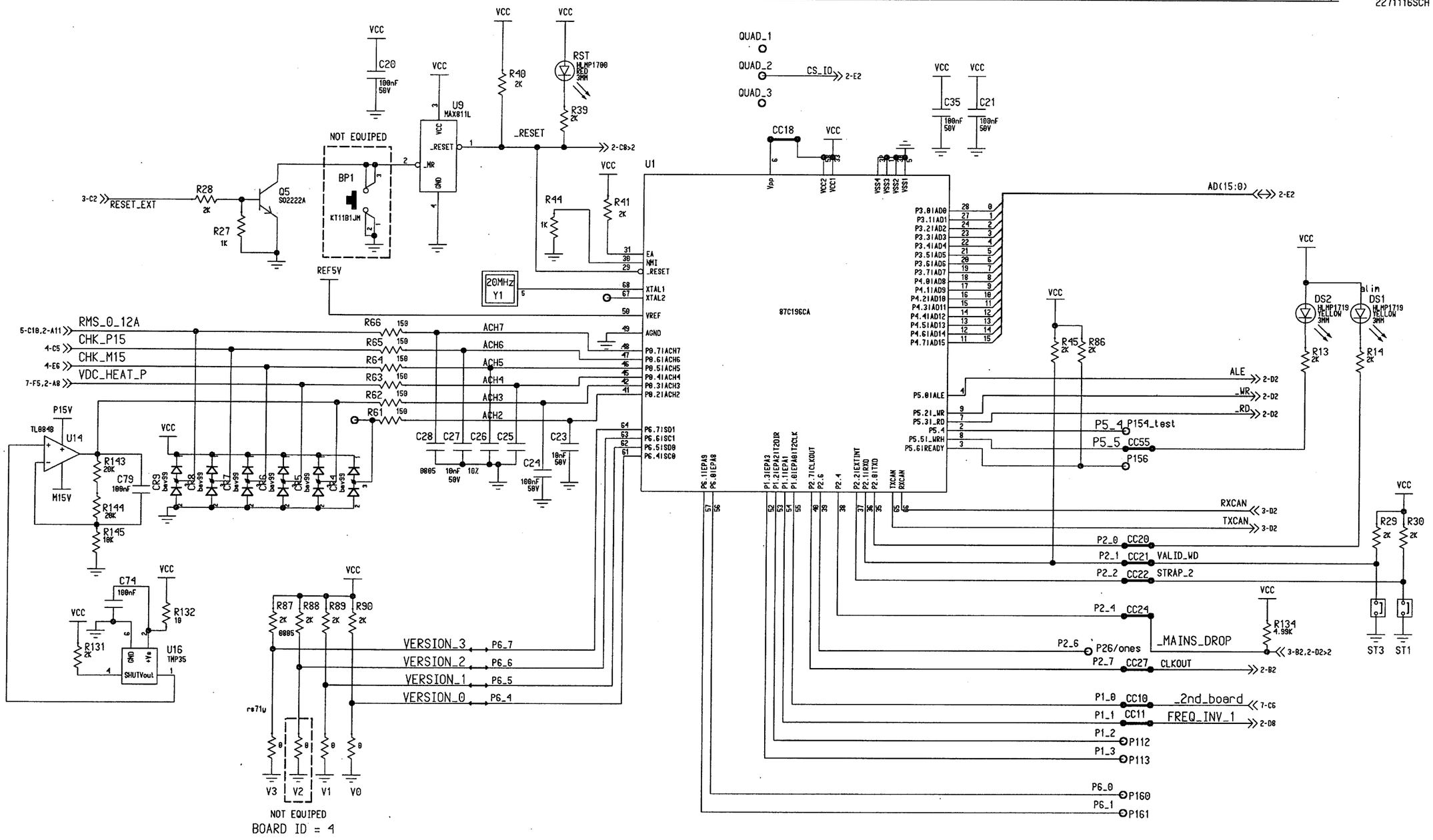
Remarks sheet

By default, every non indicated resistor tolerance is 1%

By default, every non indicated resistor power value is 0.5W

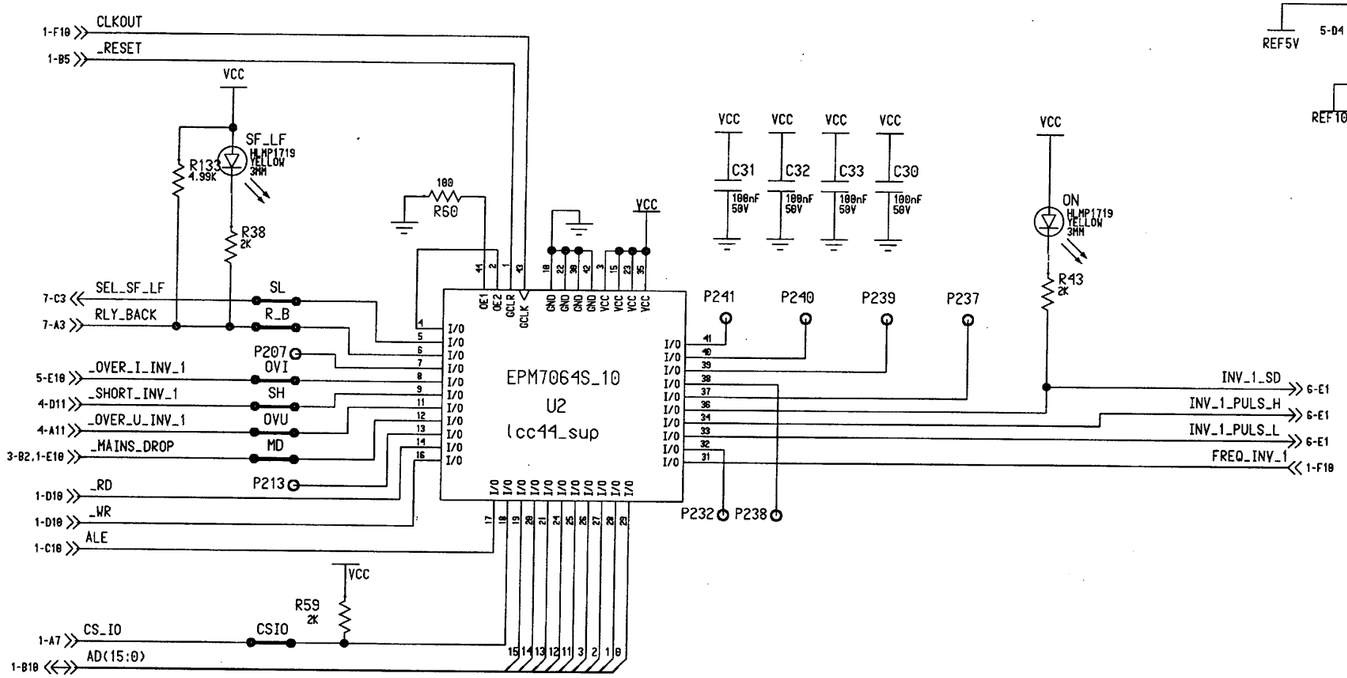
Isolation 4mm (air) 7mm(ligne de fuite)

00-884208-01 A



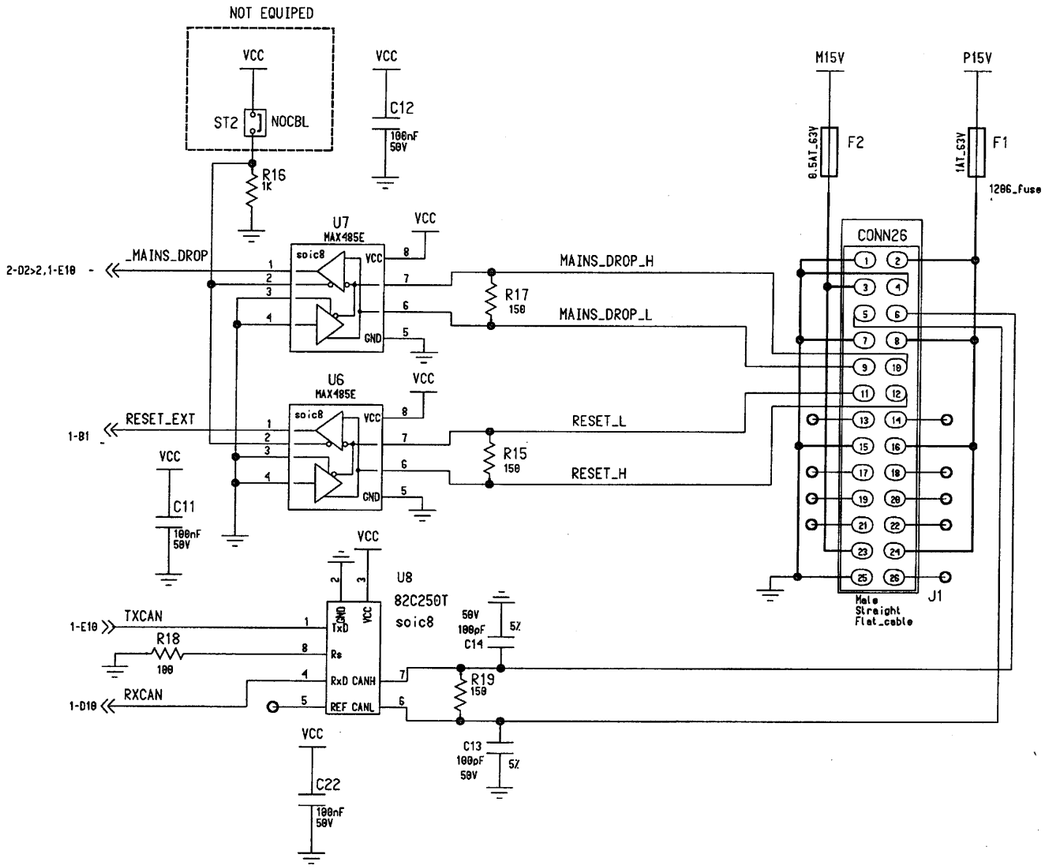
BLOCK PATHNAME	$PROJECT_JEDI/heater_V4_ASM/heater_v4				BLOCK SHT 1 OF 8		
REV B PCN MADE BY ASSE	DESCRIPTION MISE A JOUR COMPOSANTS NON CABLES DATE 17/10/00 APPR BY GUILLERMO DATE 17/10/00	MADE ASSE CHECK BAPTISTE APPR CASTEIGNAU OTHER NAME	DATE 28/03/00 DATE 28/03/00 DATE 28/03/00 DATE DD/MM/YY	GE Medical Systems BUC - FRANCE	DESIGN TITLE HEATER V4 NO PROGRAMMED FIRST MADE FOR JEDI		
REV PCN MADE BY	DESCRIPTION DATE DD/MM/YY APPR BY DATE DD/MM/YY				DRAWING NO. 2271116SCH	REV B	SIZE 3
							SHT/CONT. ON 1 / 8

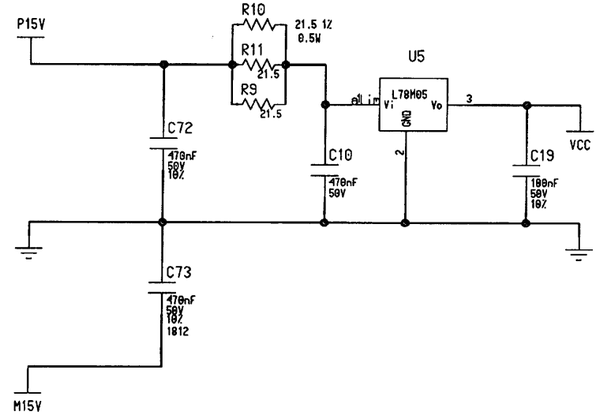
00-884209-01 A

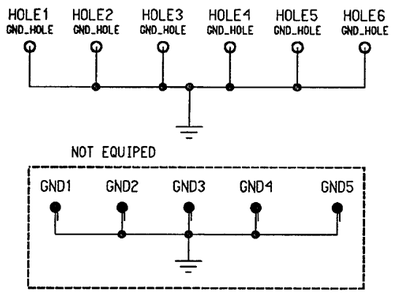


BLOCK PATHNAME	$PROJECT_JEDI/heater_V4_ASM/heater_v4				BLOCK SHT 2 OF 8		
REV B PCN MADE BY ASSE	DESCRIPTION MISE A JOUR COMPOSANTS NON CABLES DATE 17/10/00 APPR BY GUILLERMO DATE 17/10/00	MADE ASSE CHECK BAPTISTE APPR CASTEIGNAU OTHER NAME	DATE 28/03/00 DATE 28/03/00 DATE 28/03/00 DATE DD/MM/YY	GE Medical Systems BUC - FRANCE	DESIGN TITLE HEATER V4 NO PROGRAMMED FIRST MADE FOR JEDI		
REV PCN MADE BY	DESCRIPTION DATE DD/MM/YY APPR BY DATE DD/MM/YY				DRAWING NO. 2271116SCH	REV B	SIZE 3	SHT/CONT. ON 2 / 8

00-884209-01 A

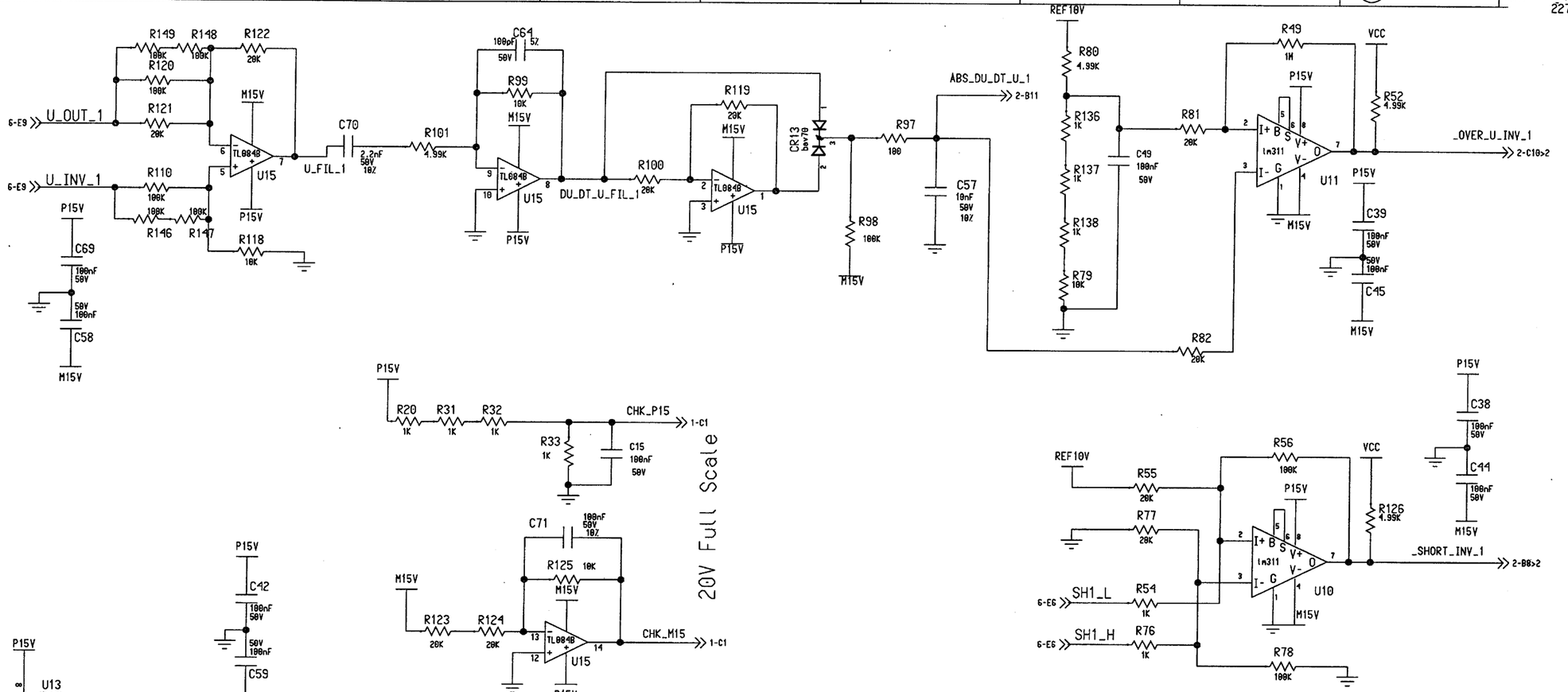






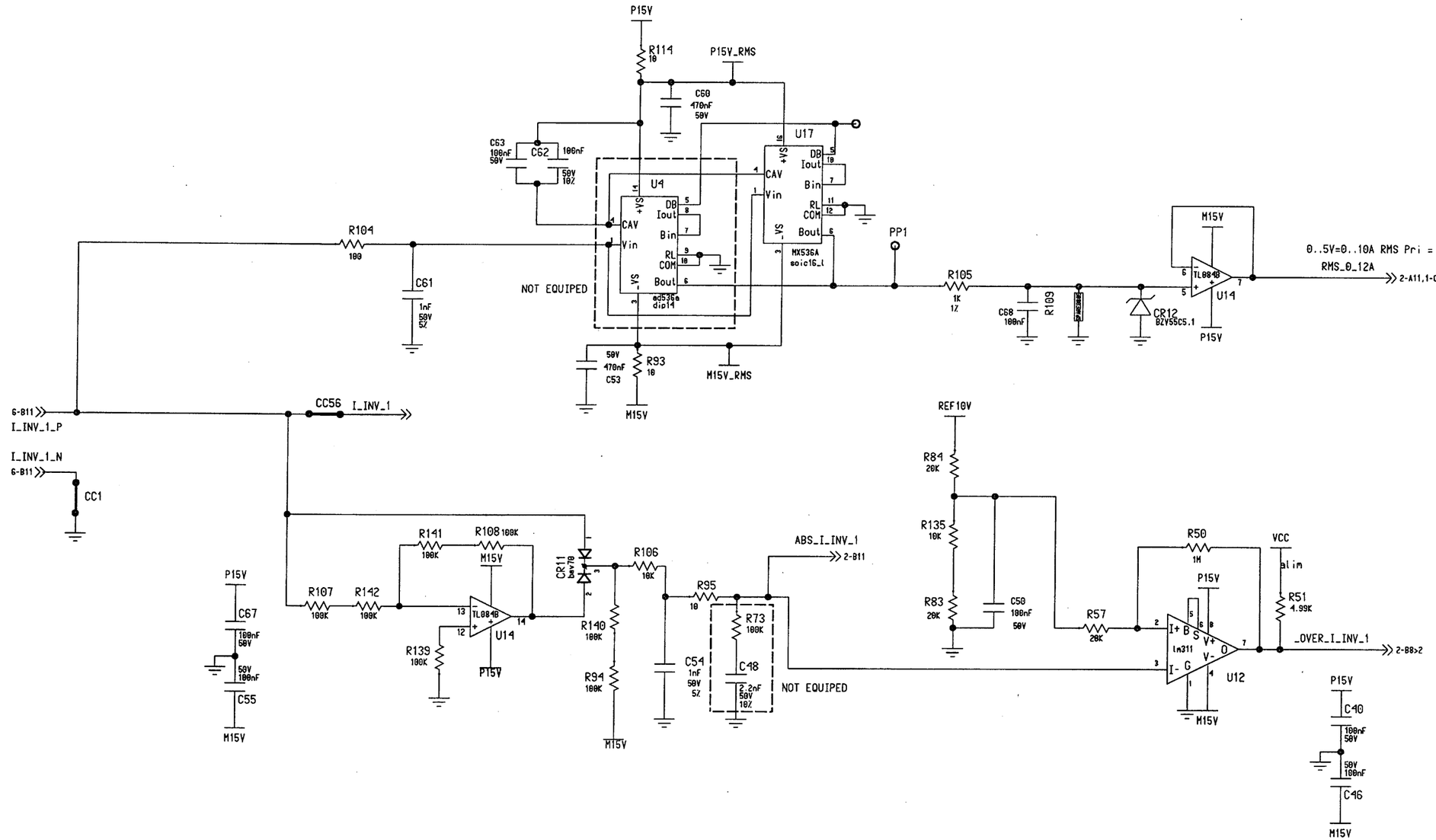
BLOCK PATHNAME $PROJECT_JEDI/heater_V4_ASM/heater_v4			BLOCK SHT 3 OF 8
REV B PCN MADE BY ASSE	DESCRIPTION MISE A JOUR COMPOSANTS NON CABLES DATE 17/10/00 APPR BY GUILLERMO DATE 17/10/00	MADE ASSE DATE 28/03/00 CHECK BAPTISTE DATE 28/03/00 APPR CASTEIGNAU DATE 28/03/00 OTHER NAME DATE DD/MM/YY	DESIGN TITLE HEATER V4 NO PROGRAMMED FIRST MADE FOR JEDI
REV PCN MADE BY	DESCRIPTION DATE DD/MM/YY APPR BY DATE DD/MM/YY	GE Medical Systems BUC - FRANCE	DRAWING NO. 2271116SCH / REV B / SIZE 3 / SHT/CONT. ON 3 / 8

00-884209-01 A



BLOCK PATHNAME $PROJECT_JEDI/heater_V4_ASM/heater_v4				BLOCK SHT 4 OF 8	
REV B PCN MADE BY ASSE	DESCRIPTION MISE A JOUR COMPOSANTS NON CABLES DATE 17/10/00 APPR BY GUILLERMO DATE 17/10/00	MADE ASSE DATE 28/03/00 CHECK BAPTISTE DATE 28/03/00 APPR CASTEIGNAU DATE 28/03/00 OTHER NAME DATE DD/MM/YY	GE Medical Systems BUC - FRANCE	DESIGN TITLE HEATER V4 NO PROGRAMMED FIRST MADE FOR JEDI	
REV PCN MADE BY	DESCRIPTION DATE DD/MM/YY APPR BY DATE DD/MM/YY			DRAWING NO. 2271116SCH	REV B / SIZE 3 / SHT/CONT. ON 4 / 8

00-884209-01 A



BLOCK PATHNAME	$PROJECT_JEDI/heater_V4_ASM/heater_v4					BLOCK SHT 5 OF 8	
REV B PCN MADE BY ASSE	DESCRIPTION MISE A JOUR COMPOSANTS NON CABLES DATE 17/10/00 APPR BY GUILLERMO	DATE 17/10/00	MADE ASSE CHECK BAPTISTE APPR CASTEIGNAU OTHER NAME	DATE 28/03/00 DATE 28/03/00 DATE 28/03/00 DATE DD/MM/YY	GE Medical Systems BUC - FRANCE	DESIGN TITLE HEATER V4 NO PROGRAMMED FIRST MADE FOR JEDI	
REV PCN MADE BY	DESCRIPTION DATE DD/MM/YY APPR BY	DATE DD/MM/YY				DRAWING NO. 2271116SCH	REV B / SIZE 3 / SHT/CONT. ON 5 / 8

00-884209-01 A

NOT EQUIPED

HEAT_160V

iso_1.5

NOT EQUIPED

I_INV_1_N >> 5-D2

I_INV_1_P >> 5-D2

R1 150 0.1Z rs63p

R2 150 0.1Z rs63p

C65 1nF 50V 0805

R1B 100 1Z 0.5W 2010a

R2B 100 1Z 0.5W 2010a

C66 1nF 50V 0805

L1 100uH

T1 trans_Fisk5

1/200

HEAT_0V

NOT EQUIPED

L1B n22028

100uH

HEAT_0V

C4 680nF 5Z 630Vcc-330Vac

C3 100nF 5Z 250Vcc-160Vac

C5 3.3uF 250Vcc-160Vac

FIL_INV_1 >> 7-A3

NOT EQUIPED

Q1 IRFP254

R5 2010a 21.5 0.5W

R6 20K

C1B 1nF 1KV 20Z

C1 2.2nF 20Z 250Vac

P15V

P15V

R7 10 2010a

R8 10 2010a

CR2 STTA206S

VCC

C17 100nF 50V

U3 IR2113

VB 6

HO 7

VS 5

VCC 3

LO 1

COM 2

VDD 9

HIN 10

SD 11

LIN 12

VSS 13

C16 470nF 50V

C8 470nF 16Z

C9 470nF 50V

INV_1_PULS_H 2-D8 >> R26 1K

INV_1_SD 2-C8 >> R36 1K

INV_1_PULS_L 2-D8 >> R35 1K

R25 2010a 21.5 0.5W

R42 20K

NOT EQUIPED

Q2 IRFP254

C2B 1nF 1KV 20Z

C2 2.2nF 20Z 250Vac

C37 100nF

SH1_H >> 4-E8

R48 10

C43 100nF

SH1 0.01

R47 10

SH1_L >> 4-D8

C36 100nF

R69 100K

R68 100K

R67 100K 0.5W 1Z

630Vcc-330Vac

C6 22nF 10Z

R71 5Z 2010a

R72 5Z 2010a

HEAT_0V

R21 10K 2010a

iso_1.5

R24 10K 2010a

DS4 HLMP1719 YELLOW

CR10

R70 10K 2010a

R91 10K 2010a

CR15 SM15T36CA

HEAT_0V

U_INV_1 >> 4-B1

U_OUT_1 >> 4-A1

R53 1K 0805

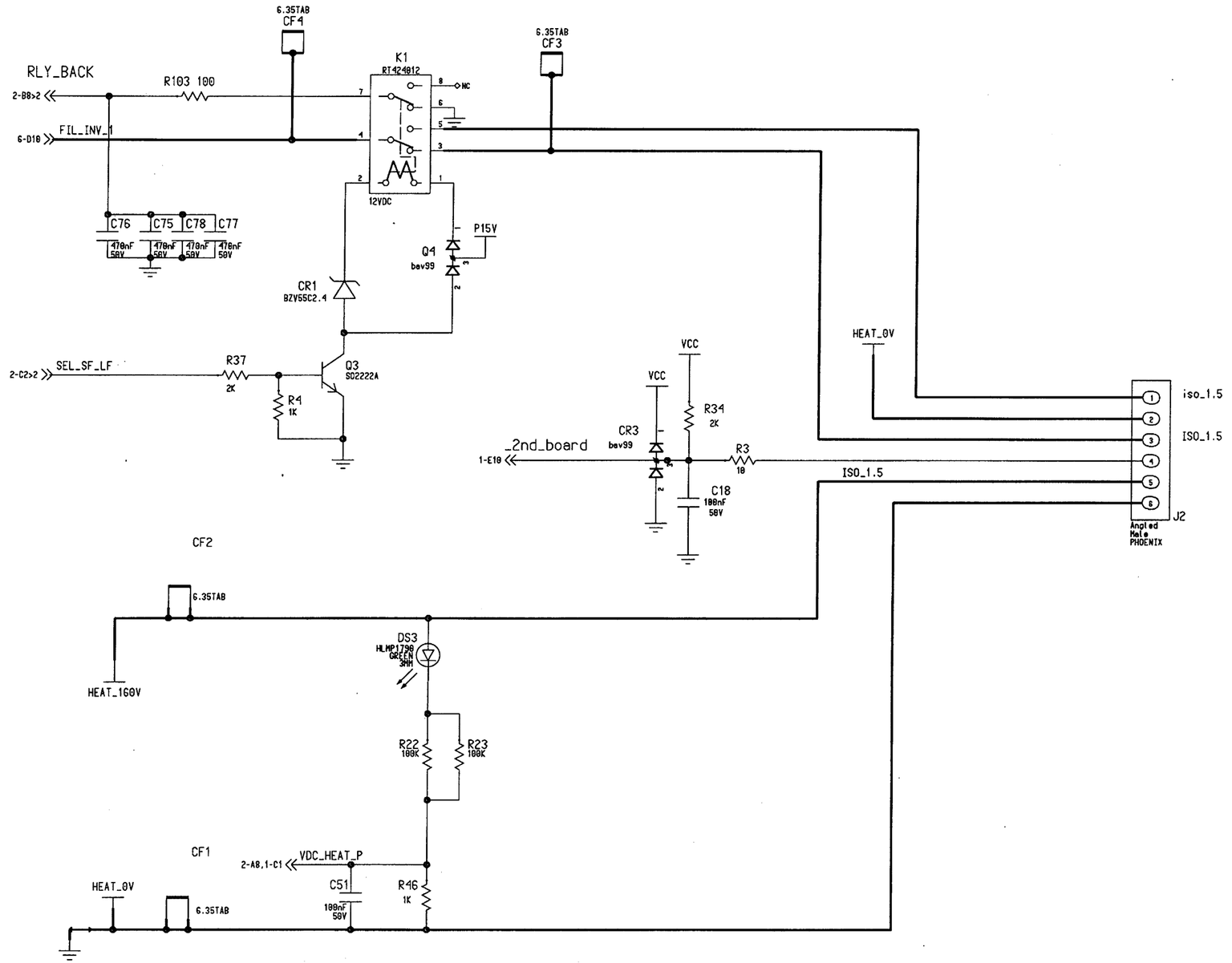
C41 100pF 50V 0805

R92 1K 0805

C52 100pF 50V 0805

BLOCK PATHNAME	$PROJECT_JEDI/heater_V4_ASM/heater_v4					BLOCK SHT 6 OF 8	
REV B PCN MADE BY ASSE	DESCRIPTION MISE A JOUR COMPOSANTS NON CABLES DATE 17/10/00 APPR BY GUILLERMO DATE 17/10/00	MADE ASSE	DATE 28/03/00	GE Medical Systems BUC - FRANCE		DESIGN TITLE HEATER V4 NO PROGRAMMED FIRST MADE FOR JEDI	
REV PCN MADE BY	DESCRIPTION DATE DD/MM/YY APPR BY DATE DD/MM/YY	CHECK BAPTISTE	DATE 28/03/00			DRAWING NO. 2271116SCH	REV B / SIZE 3 / SHT/CONT. ON 6 / 8
		APPR CASTEIGNAU	DATE 28/03/00				
		OTHER NAME	DATE DD/MM/YY				

00-884209-01 A



BLOCK PATHNAME	$PROJECT_JEDI/heater_V4_ASM/heater_v4					BLOCK SHT 7 OF 8			
REV B PCN MADE BY ASSE	DESCRIPTION MISE A JOUR COMPOSANTS NON CABLES DATE 17/10/00	APPR BY GUILLERMO	DATE 17/10/00	MADE ASSE CHECK BAPTISTE APPR CASTEIGNAU OTHER NAME	DATE 28/03/00 DATE 28/03/00 DATE 28/03/00 DATE DD/MM/YY	GE Medical Systems BUC - FRANCE	DESIGN TITLE HEATER V4 NO PROGRAMMED FIRST MADE FOR JEDI		
REV PCN MADE BY	DESCRIPTION DATE DD/MM/YY	APPR BY	DATE DD/MM/YY				DRAWING NO. 2271116SCH	REV B	SIZE 3	SHT/CONT. ON 7 / 8

00-884209-01 A

Remarks sheet

By default, every non-indecated-tolerance for resistors are 1%

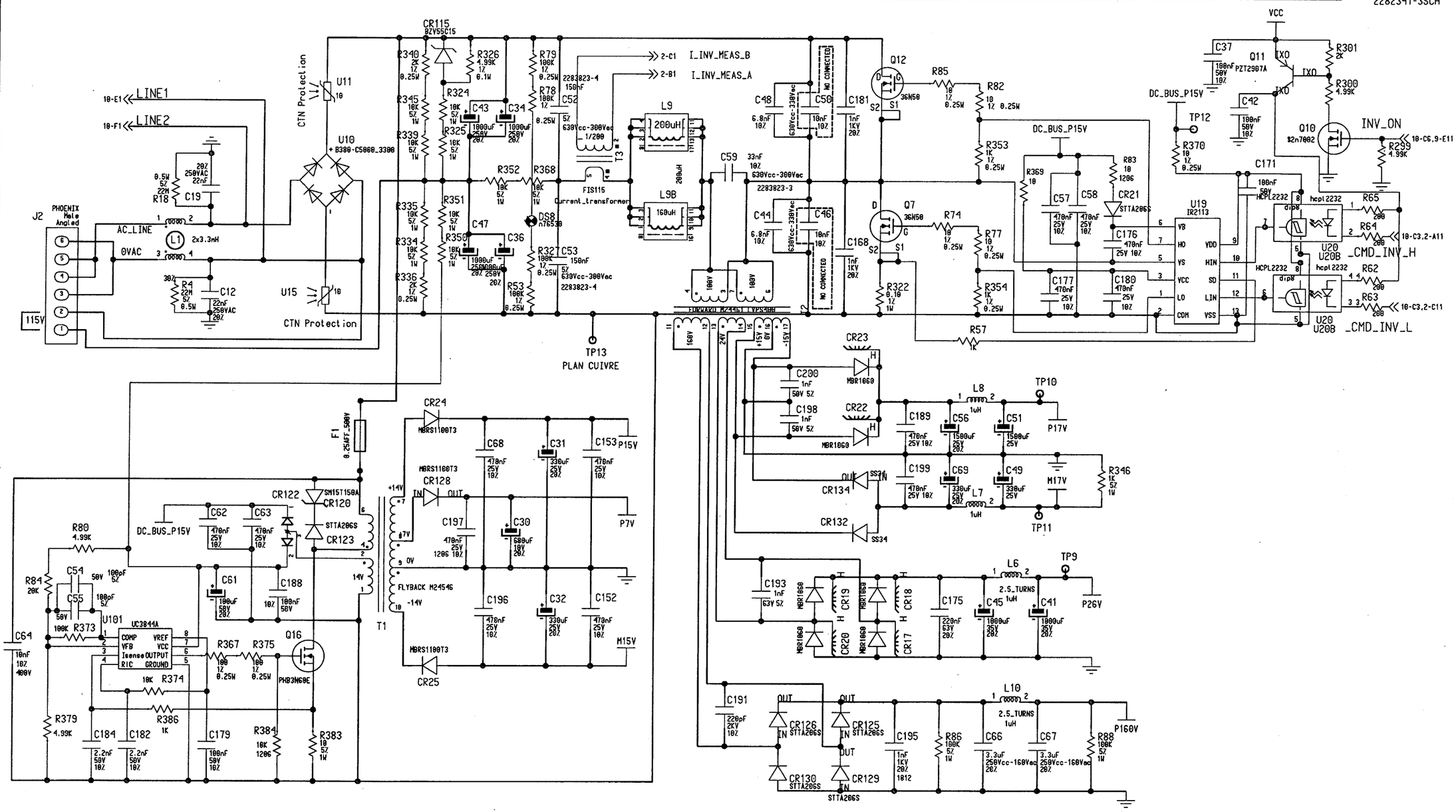
By default, every non-indecated-power-value for resistors are 0.1W

Isolation 160V/TERRE 3mm (ligne de fuite)

Insulation 160V/GROUND 3mm (creepage distance)

MODIF. REF.	NUM PAGE	LOCAL TOPO	DESCRIPTION OF MODIFICATION	NUMBER SPR

00-884209-01 A



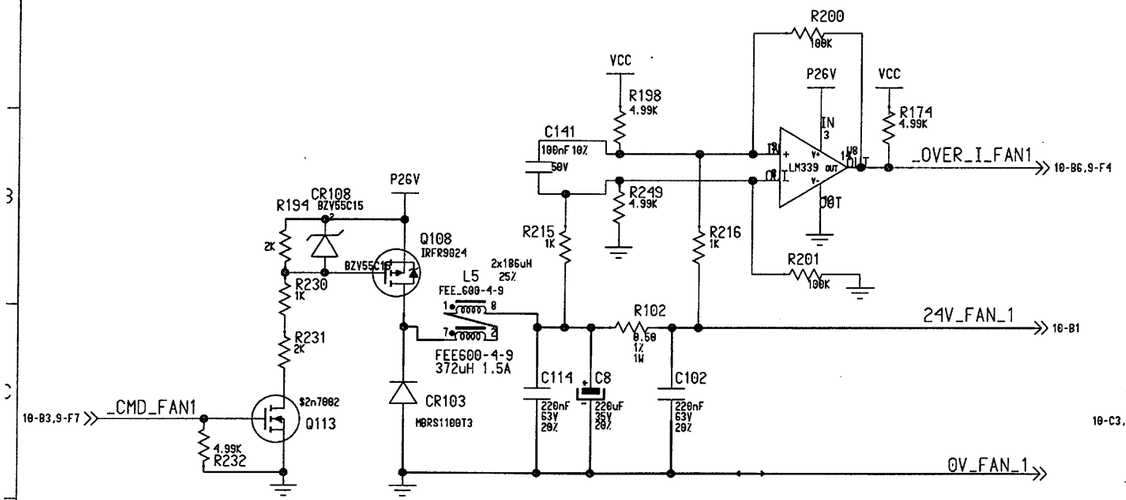
BLOCK PATHNAME	$PROJECT_JEDI/lvps400_v3_ASM/lvps400_v3				BLOCK SHT 1 OF 11		
REV PCN DESCRIPTION MADE BY DATE APPR BY DATE		MADE ASSE DATE 06/03/01 CHECK ENCELLAZ DATE 06/03/01 APPR DATE OTHER DATE	GE Medical Systems BUC - FRANCE	DESIGN TITLE LVPS400 V3 FIRST MADE FOR JEDI			
REV PCN DESCRIPTION MADE BY DATE APPR BY DATE				DRAWING NO. 2282341-3SCH	REV A	SIZE 3	SHT/CONT. ON 1 / 11

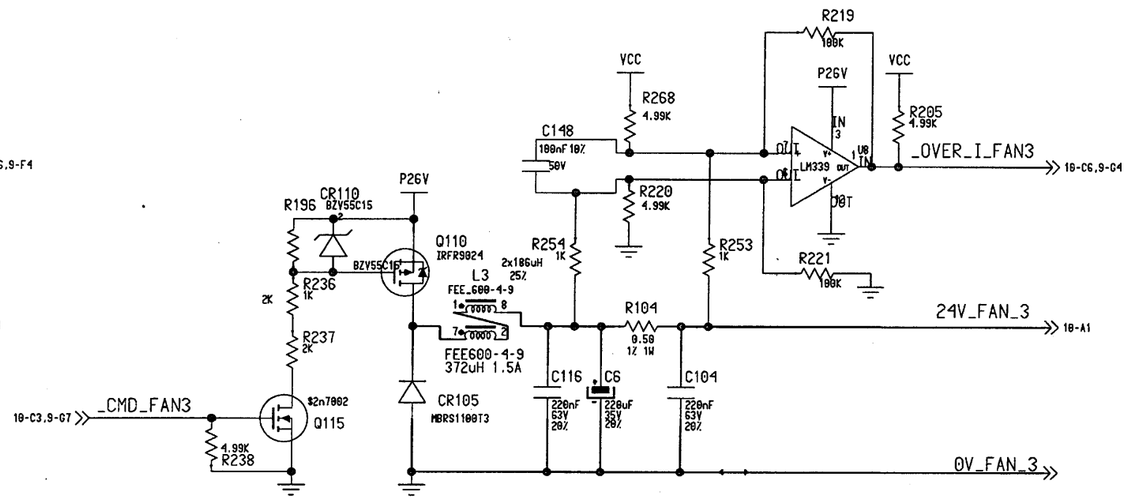
00-884210-01 A

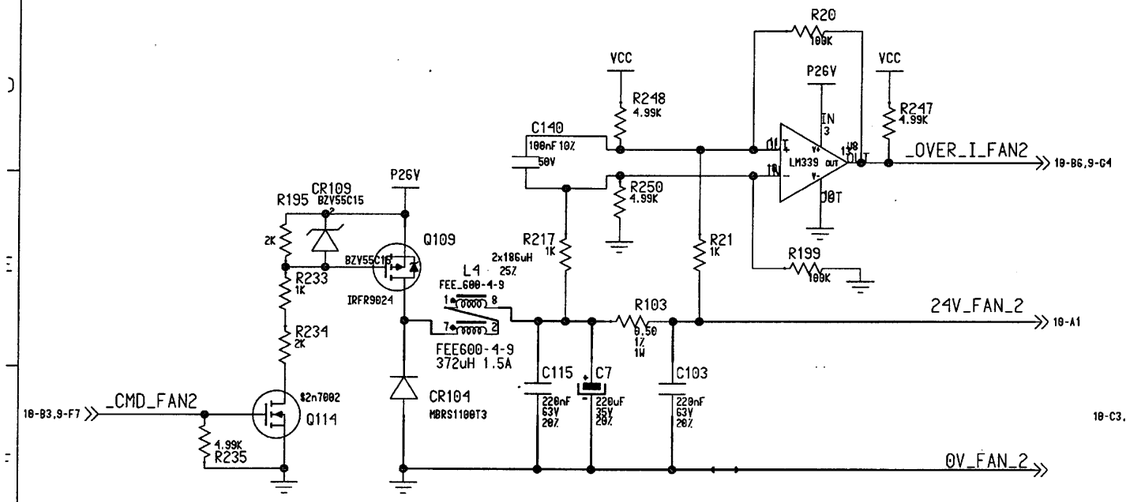
ABS_I_INV
R142
10-B6,9-A1
I_INV_MEAS_A
1-A5
I_INV_MEAS_B
1-A5
CR133 BAV99
CR135 BAV99
R422 100 1Z 0.1W
R423 100 1Z 0.1W
R397 100 1Z 0.1W
R445 100 1Z 0.1W
R8 10K
C110 10nF 63V 20Z
C111 10nF 63V 20Z
CC2
R124 10K
BZV55C7.5
CR2
IN OUT
C109 1nF 5Z 50V
C108 1nF 5Z 50V
R7 100K
M15V
TL084B
U2
R122 10K
R140 2K
R141 100K 1Z 0.1W
R123 20K
R139 20K
P15V
R6 10K
BZV55C9.1
CR4
CR3
BZV55C9.1
R5 10K
M15V
CR102 BAV99
R10 10K
R11 1K
R9 10K
R110 100K
C106 100pF 50V 5Z
R109 100K
U2
P15V
TP5
CONS_TT
R120 20K
R107 20K
R108 20K
R106 10K
BAV99
CR1
R119 4.99K
R137 20K
R121 10K
C1 100nF 50V
C4 100nF 50V
M15V
SAW
10-C6,9-E11,2-E3
_INV_ON
VCC
R302 4.99K 1Z 0.1W
Q125
$2n7002
R56 10K
R55 10K
R60 100K
R61 1K
R50 1K
R49 100K
R51 10K
U18 LM311
U17 LM311
_CMD_INV_H
10-C3,1-B11
_CMD_INV_L
10-C3,1-C11
C40 100nF 50V
C169 100nF 50V
C39 100nF 50V
C166 100nF 50V
R52 10K
SAW
10-B3
P160V
R76 20K 1Z 0.1W
R73 20K 1Z 0.1W
R71 20K 1Z 0.1W
R68 20K 1Z 0.1W
R66 20K 1Z 0.1W
R59 20K
R51 20K
R206 10K
R179 0
R170 10K
U5
U13
P26V
R43 10K
R46 4.99K
R45 0
R44 10K
BAV56
CR7
BAV56
CR8
P17V
R154 4.99K
R153 1K
R169 10K
R178 4.99K
C10 100nF 10Z 50V
C11 100nF 10Z 50V
C118 100nF 10Z 50V
R136 100
VCC
R138 4.99K
_INV_ON
10-C6,9-E11,2-A8
Q3
$2n7002
P10REF
CR5
BZV55C10
_CONS_I_INV
TP6
R151 20K
R152 20K
R166 100K
R165 49.9K
C124 1nF 5Z 50V
NO CONNECTED
C123 10nF 5Z 25V
C16 1nF 5Z 63V
NO CONNECTED
R176 20K
R177 20K
R175 10K
R168 20K
R167 20K
R172 10K
U5
_CONS_I_INV
C21 100nF 50V
C144 100nF 50V
C17 100nF 50V
C18 100nF 50V
P160V
R75 20K 1Z 0.1W
R72 20K 1Z 0.1W
R70 20K 1Z 0.1W
R67 20K 1Z 0.1W
R58 20K 1Z 0.1W
255V=5V= FullScale
MEAS_V_P160
10-B6,9-A4
R183 2K
C132 100nF 50V 10Z
P26V
R265 4.99K
R266 2K
40V=5V=FullScale
MEAS_V_P26
10-B6,9-A4
R277 1K
C156 100nF 50V 10Z
P17V
R180 2K
R181 1K
20V=5V=FullScale
MEAS_V_P17
10-B6,9-B4
R16 1K
C20 100nF 50V 10Z

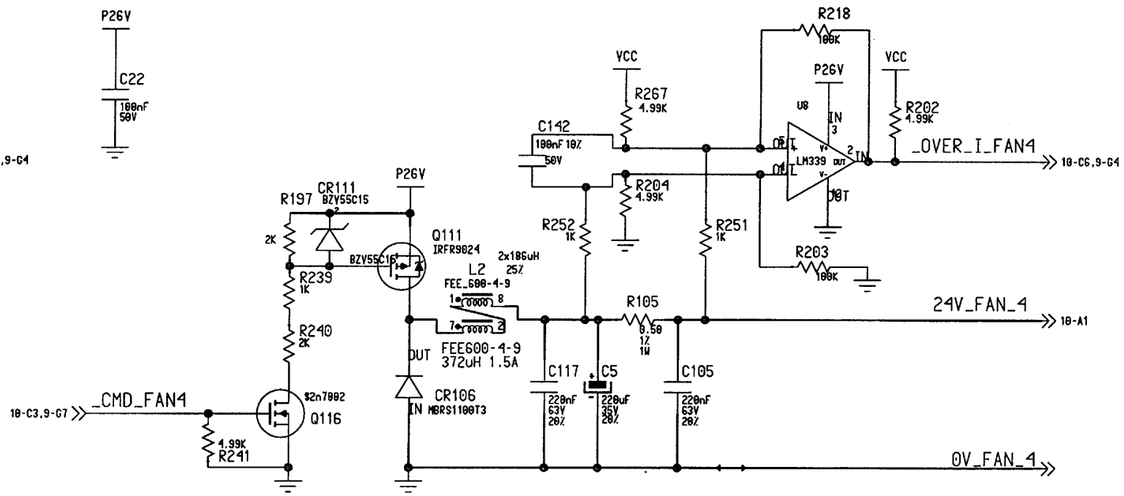
BLOCK PATHNAME	$PROJECT_JEDI/lvps400_v3_ASM/lvps400_v3				BLOCK SHT 2 OF 11		
REV PCN DESCRIPTION MADE BY DATE APPR BY DATE		MADE ASSE DATE 06/03/01 CHECK ENCELLAZ DATE 06/03/01 APPR DATE OTHER DATE	GE Medical Systems BUC - FRANCE	DESIGN TITLE LVPS400 V3 FIRST MADE FOR JEDI			
REV PCN DESCRIPTION MADE BY DATE APPR BY DATE				DRAWING NO. 2282341-3SCH	REV A	SIZE 3	SHT/CONT. ON 2 / 11

00-884210-01 A



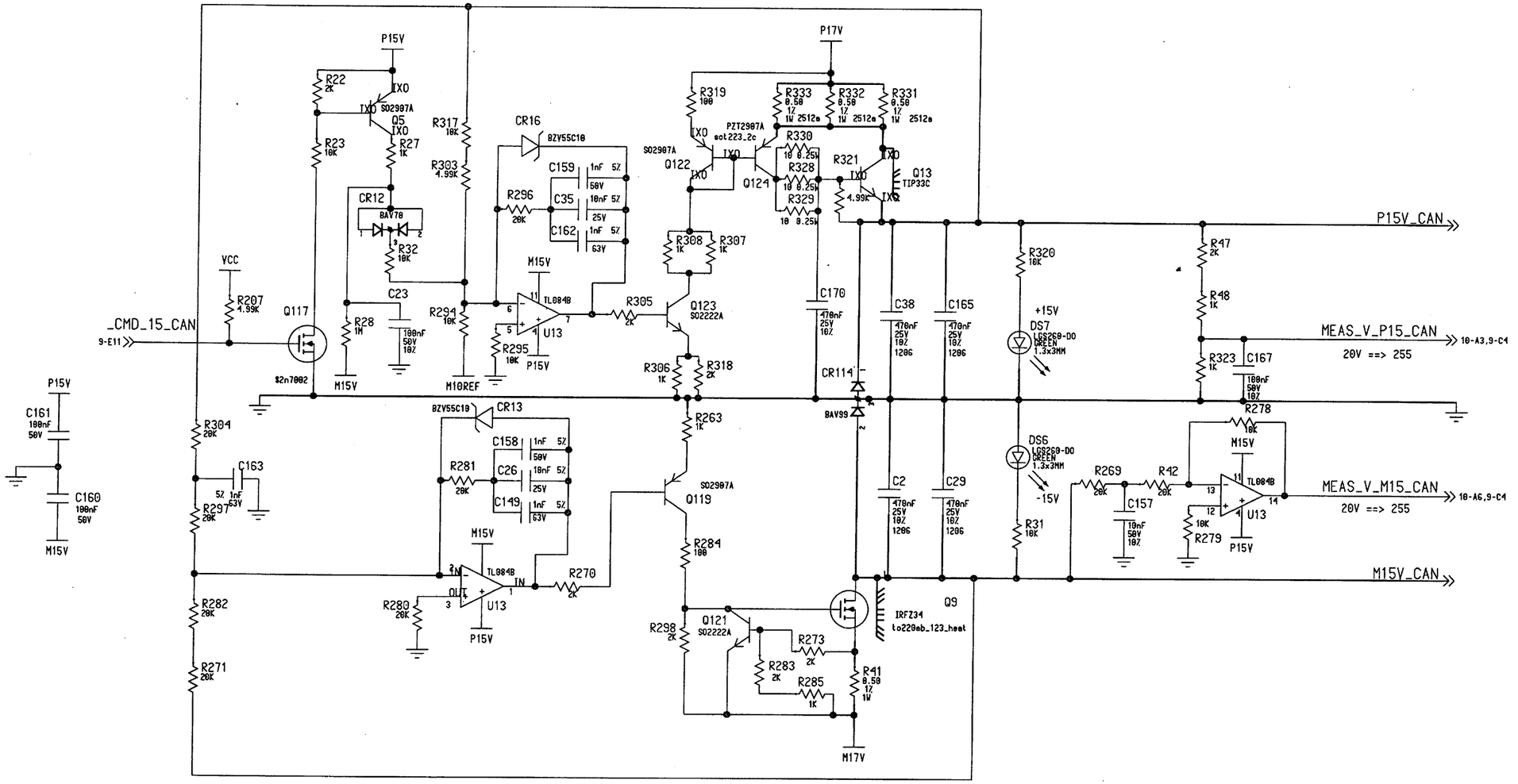






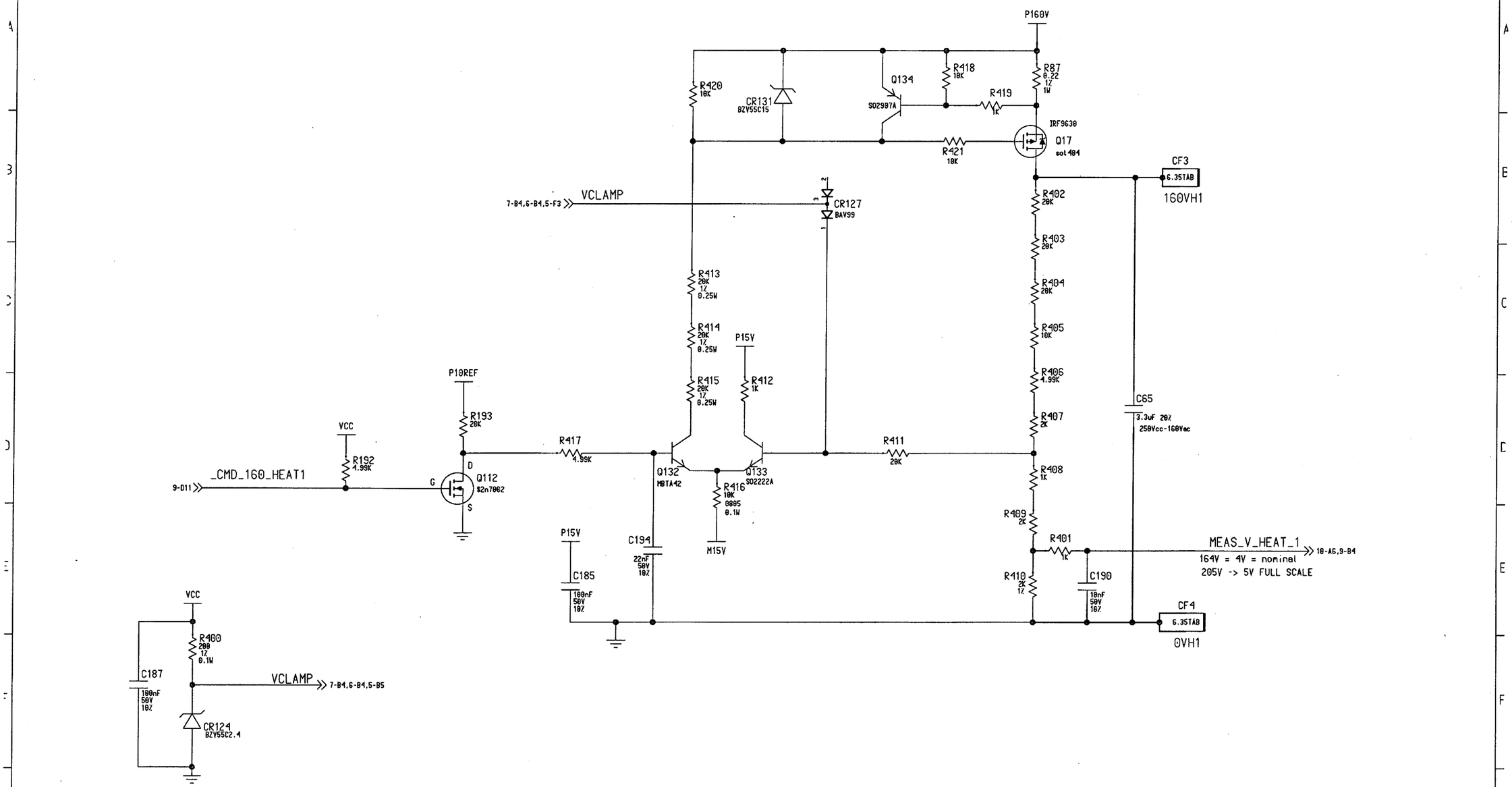
BLOCK PATHNAME	$PROJECT_JEDI/lvps400_v3_ASM/lvps400_v3				BLOCK SHT 3 OF 11		
REV PCN MADE BY	DESCRIPTION DATE	APPR BY	DATE	MADE ASSE	DATE 06/03/01	GE Medical Systems BUC - FRANCE	DESIGN TITLE LVPS400 V3 FIRST MADE FOR JEDI
REV PCN MADE BY	DESCRIPTION DATE	APPR BY	DATE	CHECK ENCELLAZ	DATE 06/03/01		DRAWING NO. 2282341-3SCH / REV A / SIZE 3 / SHT/CONT. ON 3 / 11
				APPR	DATE		
				OTHER	DATE		

00-884210-01 A



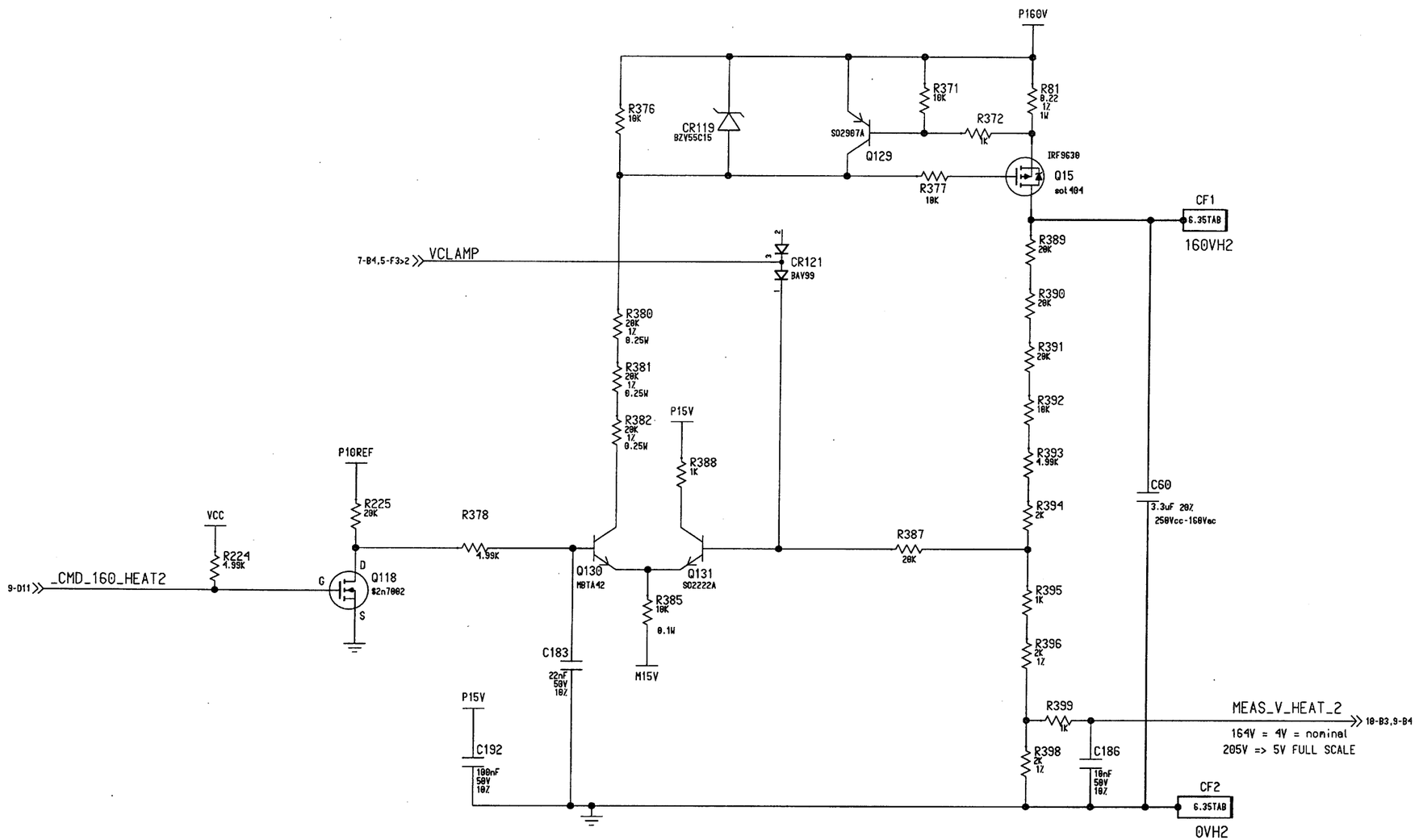
BLOCK PATHNAME	$PROJECT_JEDI/lvps400_v3_ASM/lvps400_v3				BLOCK SHT 4 OF 11		
REV PCN DESCRIPTION MADE BY DATE APPR BY DATE		MADE ASSE DATE 06/03/01 CHECK ENCELLAZ DATE 06/03/01 APPR DATE OTHER DATE	GE Medical Systems BUC - FRANCE	DESIGN TITLE LVPS400 V3 FIRST MADE FOR JEDI			
REV PCN DESCRIPTION MADE BY DATE APPR BY DATE				DRAWING NO. 2282341-3SCH	REV A	SIZE 3	SHT/CONT. ON 4 / 11

00-884210-01 A



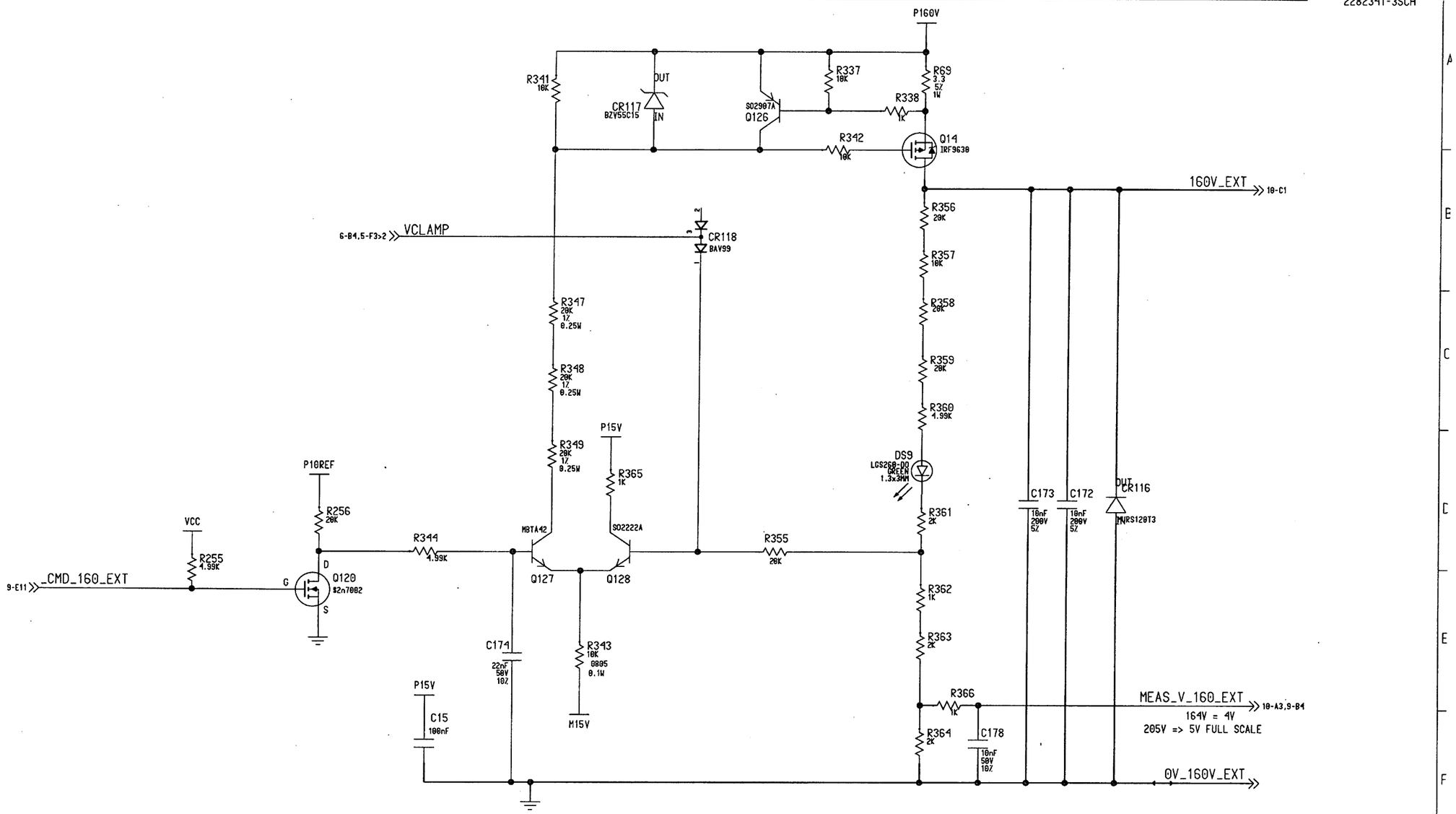
BLOCK PATHNAME	$PROJECT_JEDI/lvps400_v3_ASM/lvps400_v3				BLOCK SHT 5 OF 11		
REV PCN DESCRIPTION MADE BY DATE APPR BY DATE		MADE ASSE DATE 06/03/01 CHECK ENCELLAZ DATE 06/03/01 APPR DATE OTHER DATE	GE Medical Systems BUC - FRANCE	DESIGN TITLE LVPS400 V3 FIRST MADE FOR JEDI			
REV PCN DESCRIPTION MADE BY DATE APPR BY DATE				DRAWING NO. 2282341-3SCH	REV A	SIZE 3	SHT/CONT. ON 5 / 11

00-884210-01 A



BLOCK PATHNAME	$PROJECT_JEDI/lvps400_v3_ASM/lvps400_v3				BLOCK SHT 6 OF 11		
REV PCN MADE BY	DESCRIPTION DATE	APPR BY	DATE	MADE ASSE	DATE 06/03/01	GE Medical Systems BUC - FRANCE	DESIGN TITLE LVPS400 V3 FIRST MADE FOR JEDI
REV PCN MADE BY	DESCRIPTION DATE	APPR BY	DATE	CHECK ENCELLAZ	DATE 06/03/01		DRAWING NO. 2282341-3SCH / REV A / SIZE 3 / SHT/CONT. ON 6 / 11
				APPR	DATE		
				OTHER	DATE		

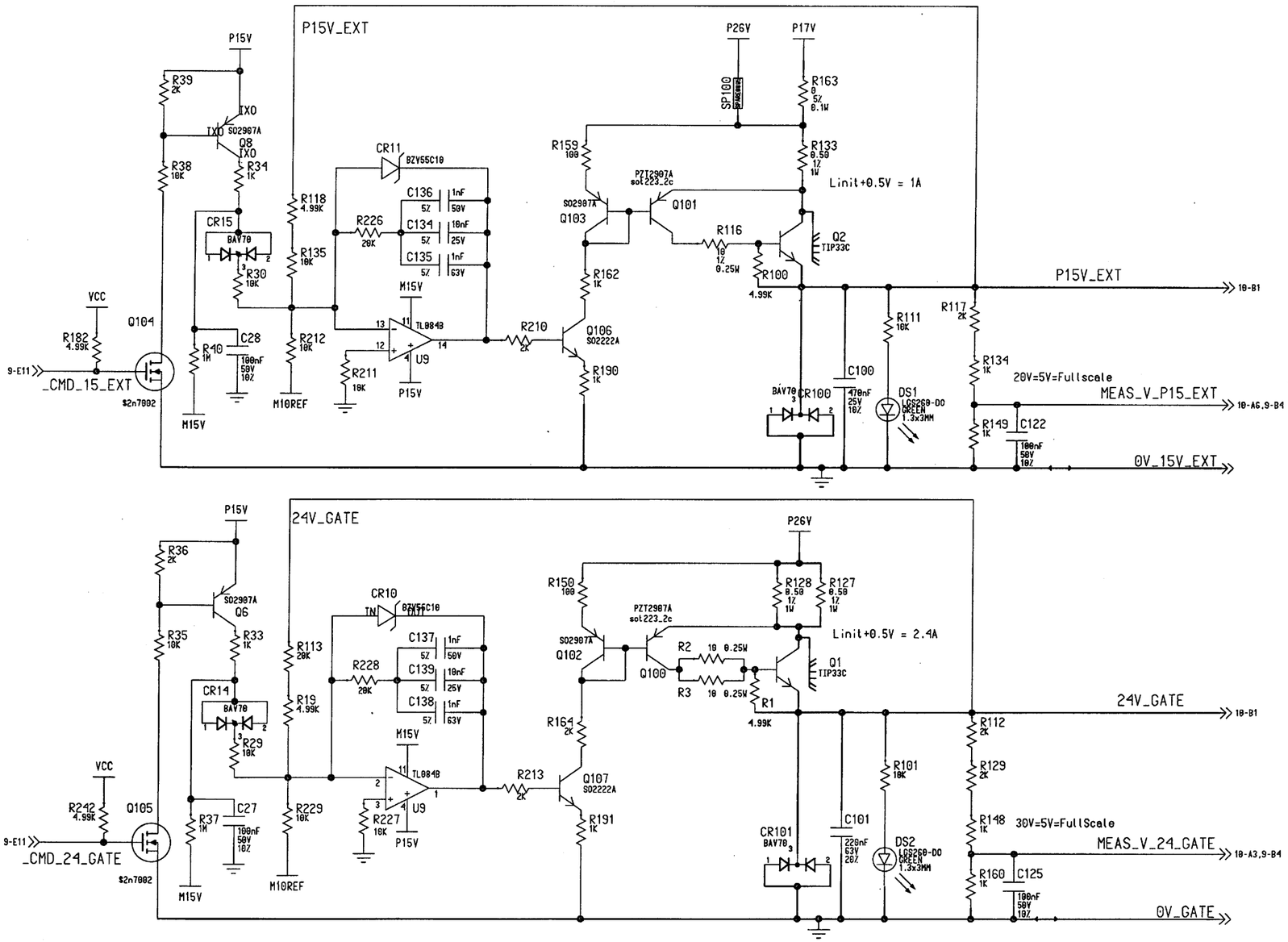
00-8842I0-01 A



BLOCK PATHNAME	$PROJECT_JEDI/lvps400_v3_ASM/lvps400_v3						BLOCK SHT 7 OF 11			
REV PCN MADE BY	DESCRIPTION DATE	APPR BY	DATE	MADE ASSE	DATE 06/03/01	GE Medical Systems BUC - FRANCE	DESIGN TITLE LVPS400 V3 FIRST MADE FOR JEDI			
REV PCN MADE BY	DESCRIPTION DATE	APPR BY	DATE	CHECK ENCELLAZ	DATE 06/03/01		DRAWING NO. 2282341-3SCH	REV A	SIZE 3	SHT/CONT. ON 7 / 11
				APPR	DATE					
				OTHER	DATE					

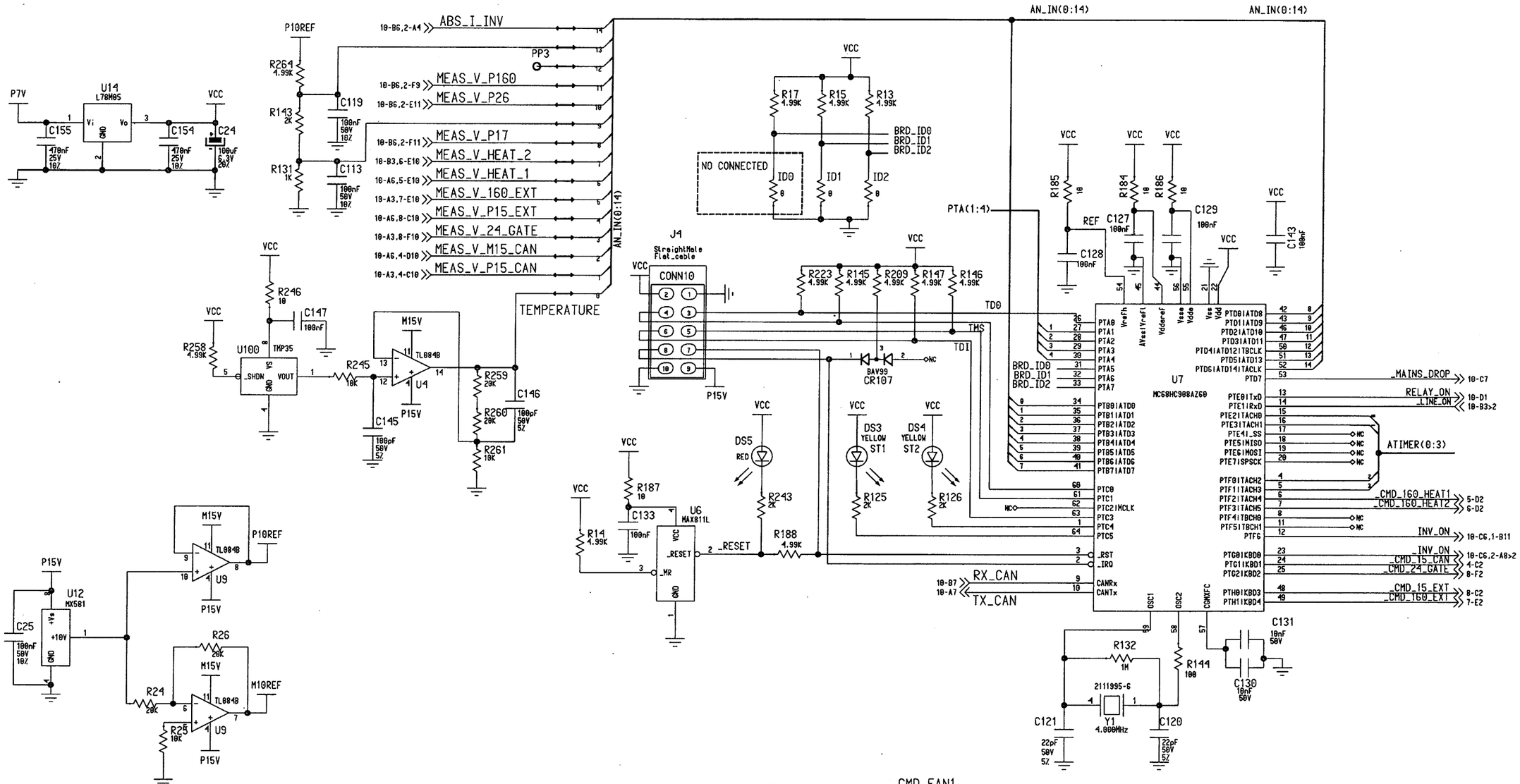
00-884210-01 A

uController cmd output and check voltage 10ms latter



BLOCK PATHNAME $PROJECT_JEDI/lvps400_v3_ASM/lvps400_v3				BLOCK SHT 8 OF 11	
REV PCN DESCRIPTION MADE BY DATE APPR BY DATE	MADE ASSE DATE 06/03/01 CHECK ENCELLAZ DATE 06/03/01 APPR DATE OTHER DATE	GE Medical Systems BUC - FRANCE	DESIGN TITLE LVPS400 V3 FIRST MADE FOR JEDI		
REV PCN DESCRIPTION MADE BY DATE APPR BY DATE			DRAWING NO. 2282341-3SCH	REV A	SIZE 3 / SHT/CONT. ON 8 / 11

00-884210-01 A



BLOCK PATHNAME	$PROJECT_JEDI/lvps400_v3_ASM/lvps400_v3			BLOCK SHT 9 OF 11	
REV PCN DESCRIPTION MADE BY DATE APPR BY DATE	MADE ASSE DATE 06/03/01 CHECK ENCELLAZ DATE 06/03/01 APPR DATE OTHER DATE	GE Medical Systems BUC - FRANCE	DESIGN TITLE LVPS400 V3 FIRST MADE FOR JEDI		
REV PCN DESCRIPTION MADE BY DATE APPR BY DATE			DRAWING NO. 2282341-3SCH	REV A	SIZE 3 / SHT/CONT. ON 9 / 11

00-884210-01 A

TEST

J1 PHOENIX Male Angled
3-E11 24V_FAN_4
0V_FAN_4
3-C11 24V_FAN_3
0V_FAN_3
3-E6 24V_FAN_2
0V_FAN_2
3-C6 24V_FAN_1
0V_FAN_1
8-E10 24V_GATE
0V_GATE
8-C10 P15V_EXT
0V_15V_EXT
7-B10 160V_EXT
0V_160V_EXT
CONN16

K1 RT424012 12VDC
R189 100 17 0.25W
CR9 BAV99
P15V
R244 2K
9-D11 RELAY_ON
Q4 SO2222A
R214 1K

CONN34
M15V
VCC
P15V
9-C4,4-C10 MEAS_V_P15_CAN R316
9-B4,8-F10 MEAS_V_24_GATE R315
9-B4,7-E10 MEAS_V_160_EXT R314
9-B4,6-E10 MEAS_V_HEAT_2 R313
P10REF R276
9-D11,10-F8 _LINE_ON R312
2-D10 SAW R311
9-F7,3-C1 _CMD_FAN1
9-F7,3-F1 _CMD_FAN2
9-G7,3-C6 _CMD_FAN3
9-G7,3-F6 _CMD_FAN4
2-A11,1-B11 _CMD_INV_H
2-C11,1-C11 _CMD_INV_L
9-E6 _RESET
R293 MEAS_V_M15_CAN 9-C4,4-D10
R292 MEAS_V_P15_EXT 9-B4,8-C10
R291 MEAS_V_HEAT_1 9-B4,5-E10
R290 MEAS_V_P17 9-B4,2-F11
R289 MEAS_V_P26 9-A4,2-E11
R288 MEAS_V_P160 9-A4,2-F9
R287 ABS_I_INV 9-A4,2-A4
R286 _CONS_I_INV 2-E6
_OVER_I_FAN1 9-F4,3-B6
_OVER_I_FAN2 9-G4,3-D6
_OVER_I_FAN3 9-G4,3-B11
_OVER_I_FAN4 9-G4,3-D11
INV_ON 9-E11,1-B11
_INV_ON 9-E11,2-A8>2
J5 Male Straight Flat_cable

9-E7 TX_CAN
9-E7 RX_CAN
R114 100
U1 82C250T soic8 (GND TxD VCC Rs RxD CANH REF CANL)
C107 100nF 50V
C3 100pF 50V 5%
R115 150
CC1
C9 100pF 50V 5%
C112 100nF 50V
U3 MAX485E soic8
9-C11 _MAINS_DROP
MAINS_DROP_H
R130 1K
MAINS_DROP_L

CONN26
J6 Male Straight Flat_cable
TP4 P15V_CAN
TP2
M15V_CAN
CONN26
J3 Male Streight Flet_cable

C14 100nF 50V 10%
C13 100nF 50V 10%
R173 10K
R158 10K
U4 TL084B
R156 10K
R157 10K
U4 TL084B

1-A2 LINE1
1-A2 LINE2
R309 20K 1% 1206
R310 20K 1% 1206
R257 20K 1% 1206
R274 20K 1% 1206
U16 hcpl2731
C161 100nF 50V 10%
R275 2K
C151 470nF 25V 10%
R262 2K
CR112
C150 470nF 25V 10%
CR113 BAV99
R161 49.9K
C126 470nF 25V 10%
R272 100
C33 100nF 50V 10%
R155 10K
R171 2K
U4 TL084B
CR6 BAV99
R208 10K
R222 4.99K
_LINE_ON 9-D11,10-B3
R172 100K

TP8 TP1 TP7 TP15 TP3 TP14
TX0
X1 X2 X3 X4 X5 X6 X7 X8
FIXATION DE LA CARTE

BLOCK PATHNAME	$PROJECT_JEDI/lvps400_v3_ASM/lvps400_v3				BLOCK SHT 10 OF 11		
REV PCN DESCRIPTION				MADE ASSE	DATE 06/03/01	GE Medical Systems BUC - FRANCE	DESIGN TITLE LVPS400 V3
MADE BY	DATE	APPR BY	DATE	CHECK ENCELLAZ	DATE 06/03/01		FIRST MADE FOR JEDI
REV PCN DESCRIPTION				APPR	DATE		DRAWING NO. 2282341-3SCH / REV A / SIZE 3 / SHT/CONT. ON 10 / 11
MADE BY	DATE	APPR BY	DATE	OTHER	DATE		

00-884210-01 A

Remarks sheet

Isolation 160V/MASSE - 1,6mm (air) 3mm (ligne de fuite)\
Insulation 160V/MASSE - 1.6mm (air) 3mm (creepage distance)

Isolation 115-230V/TERRE 2,5mm (air) 4mm (ligne de fuite)
Isolation 115-230V/entre eux 1,6mm (air) 3mm (ligne de fuite)

Insulation 115-230V/GROUND 2,5mm (air) 4mm (creepage distance)
Insulation 115-230V/between them 1,6mm (air) 3mm (creepage distance)

MODIF. REF.	NUM PAGE	LOCAL TOPO	DESCRIPTION OF MODIFICATION	NUMBER SPR

BLOCK PATHNAME $PROJECT_JEDI/lvps400_v3_ASM/lvps400_v3

BLOCK SHT 11 OF 11

REV PCN / MADE BY	DESCRIPTION / DATE	APPR BY	DATE
REV PCN / MADE BY	DESCRIPTION / DATE	APPR BY	DATE

MADE	ASSE	DATE	06/03/01
CHECK	ENCELLAZ	DATE	06/03/01
APPR		DATE	
OTHER		DATE	

GE Medical Systems
BUC - FRANCE

DESIGN TITLE	LVPS400 V3			
FIRST MADE FOR	JEDI			
DRAWING NO. 2282341-3SCH		REV A	SIZE 3	SHT/CONT. ON 11 / 11

00-884210-01 A

(HV PRIMARY)

(HEATER PRIMARY)

1 2 White rep. 4TR

3 4 White rep. 4TR

KV MEAS BOARD

J3 J4 J5

420TR 420TR 420TR 420TR

8 nF 8 nF 8 nF 8 nF 8 nF 8 nF 8 nF 8 nF

CI ANODE HV

CI ANODE LV

CI CATHODE LV

CI CATHODE HV

470 ohms 470 ohms

200 Meghoms 200 Meghoms

RED TRANSPARENT BLACK BROWN

HEATER TRANSFO. LONG FOC. SPOT

20TR 20TR

HEATER TRANSFO. SHORT FOC. SPOT

8TR 8TR 16TR

GREEN BLACK WHITE BROWN BROWN RED

CI HV+

CI HV-

COAX. COAX.

HV+ CONNECTOR

HV- CONNECTOR

J6 J2

TEMPERATURE SENSOR TEMP P TEMP N ANODE BLEEDER SHUNT 1% CATHODE BLEEDER KV MEAS BOARD

33 34 35 41 42 45

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LAYOUT OF VIEWS

GENERAL TOLERANCE

LENGTH ≤ 2M : ±0,02 M/M WITH A MINIMUM OF ±0,01M.

LENGTH > 2M : ±0,04 M/M.

REV		MODIFIED BY	CHECKED BY	DATE	SPR NUMBER	DESCRIPTION
002		D.LORILLON	F.PLANQUE	25-03-99	BUCge40315	Translation in English
001		F. PLANQUE	J. SIREUL	23/02/99	BUCge39121	Update of HV Tank

REVISIONS

adsrs

TITLE JEDI STD HV TANK

REV 002

PROJECT JEDI

DRAWING BY	GECOM	03/07/98
CHECKED BY	J. SIREUL	03/07/98

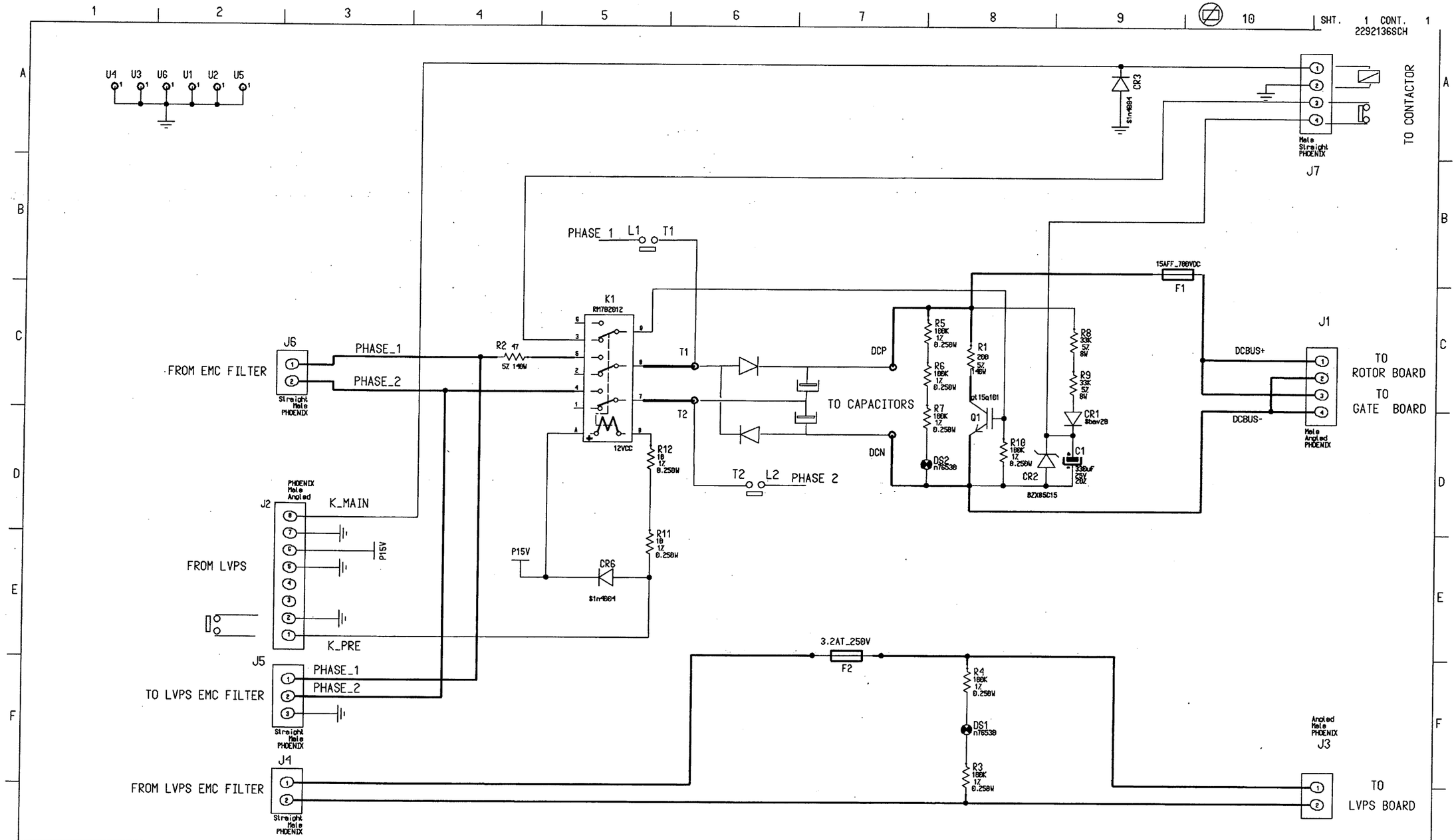
GE Medical Systems
BUC-FRANCE

2186730SCH

PAGE 001/001

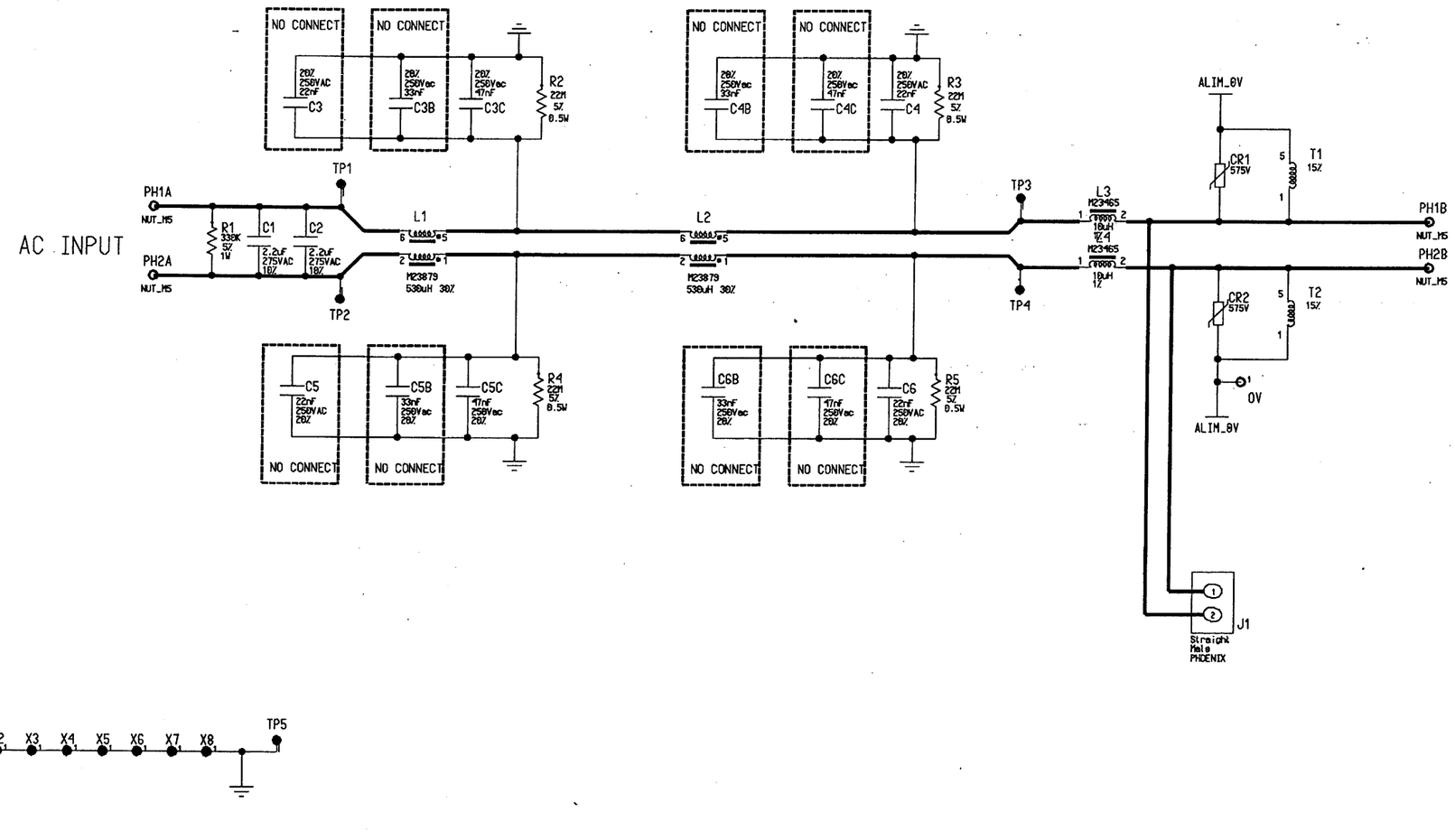
A3

00-884211-01 A



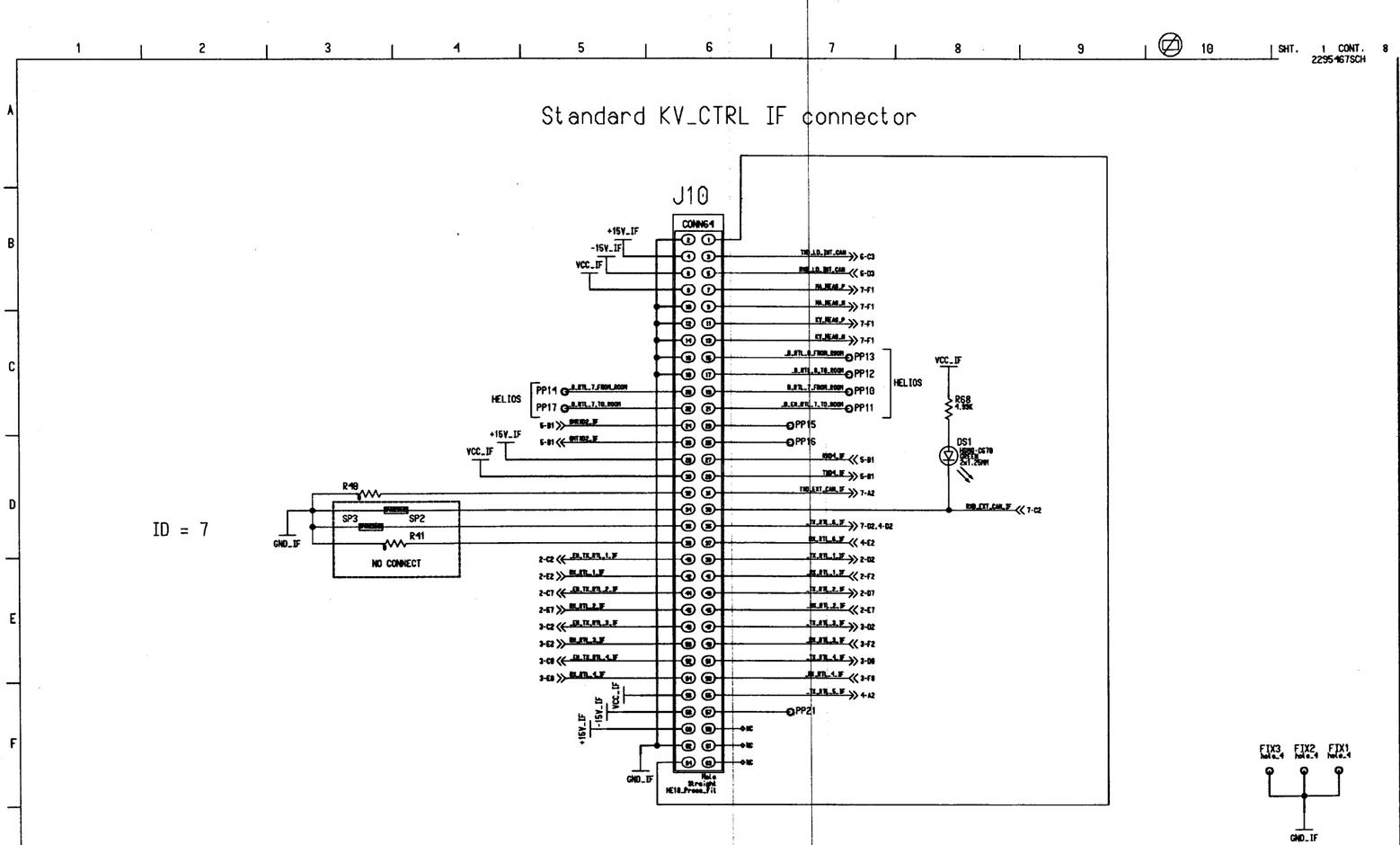
BLOCK PATHNAME	$PROJECT_JEDI/ac_dc_sp_v1_ASM/ac_dc_sp_v1							BLOCK SHT 1 OF 1			
REV B PCN	DESCRIPTION Replace R2 100 ohms by 47 ohms			MADE DUMOURIER	DATE 15/01/01	GE Medical Systems BUC - FRANCE		DESIGN TITLE AC/DC SINGLE PHASE			
MADE BY ASSE	DATE 27/03/01	APPR BY SOTO	DATE 27/03/01	CHECK DUMOURIER	DATE 15/01/01			FIRST MADE FOR JEDI			
REV PCN	DESCRIPTION			APPR NAME	DATE DD/MM/YY			DRAWING NO. 2292136SCH	REV B	SIZE 3	SHT/CONT. ON 1 / 1
MADE BY	DATE	APPR BY	DATE	OTHER NAME	DATE DD/MM/YY						

00-884212-01 A



BLOCK PATHNAME	$PROJECT_JEDI/enc_sp_ASM/enc_sp						BLOCK SHT 1 OF 1				
REV B PCN	DESCRIPTION Add component no connected			MADE ASSE	DATE 23/01/2001	GE Medical Systems	DESIGN TITLE EMC SINGLE PHASE				
MADE BY ASSE	DATE 27/03/01	APPR BY SOTO	DATE 27/03/01	CHECK SOTO	DATE 23/01/2001	BUC - FRANCE	FIRST MADE FOR JEDI				
REV PCN	DESCRIPTION			APPR NAME	DATE DD/MM/YY		DRAWING NO. 2292757CH	REV B	SIZE 3	SHT/CONT. ON 1 / 1	
MADE BY	DATE	APPR BY	DATE	OTHER NAME	DATE DD/MM/YY						

00-884213-01 A



00-884214-01 A

00-884214DI A

GENERIC DIFFERENCIAL REAL TIME LINES (#1/2)

BLOCK PATHNAME	$PROJECT_ACDI/generic_if_v2_ASM/generic_if_v2						
REV 001 PCN BUCCE6-0040	DESCRIPTION UPDATE BOARD ID=7			DATE 12/06/01	MADE	CROULARD	DATE
MADE BY ASSE	DATE 12/06/01	APPR BY	CROULARD	DATE 12/06/01	CHECK	NAME	DATE
REV PCN XXXXXXXX	DESCRIPTION XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX				APPR	NAME	DATE
MADE BY NAME	DATE DD/MM/YY	APPR BY	NAME	DATE DD/MM/YY	OTHER	NAME	DATE

BLOCK SHT 2 OF 8				DESIGN TITLE GENERIC IF V2			
DATE 28-02-01	GE Medical Systems			FIRST MADE FOR ED1			
DATE DD/MM/YY	BUC - FRANCE			DRAWING NO. 2295467SCH	REV 001	SIZE A3	SHT/CONT. ON 2 / 8
DATE DD/MM/YY							
DATE DD/MM/YY							

BLOCK PATHNAME	$PROJECT_JEDI/generic_if_v2_ASM/generic_if_v2						
REV 001 PCN BUCGE04040	DESCRIPTION UPDATE BOARD ID=7			DATE 12/06/01	MADE CROULARD		DATE
MADE BY ASSE	DATE 12/06/01	APPR BY CROULARD			CHECK NAME		DATE
REV PCN XXXXXXX	DESCRIPTION XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX				APPR NAME		DATE
MADE BY NAME	DATE DD/MM/YY	APPR BY NAME		DATE DD/MM/YY	OTHER NAME		DATE

BLOCK SHT 3 OF 8	DESIGN TITLE GENERIC IF V2				
GE Medical Systems BUC - FRANCE	FIRST MADE FOR JEDI	REV 001	SIZE 3	SHT/CONT. ON 3 / 8	
	DRAWING NO. 2295467SCH				

A 12148-08-08

00-884214-01 A

SHT. 1 CONT. 2235-467SCH

BLOCK SHT 1 OF 8

DESIGN TITLE GENERIC IF V2
FIRST MADE FOR JED1
DRAWING NO. 2235-467SCH
REV 001
SIZE 3
SHT/CONT. ON 1 / 8

GE Medical Systems
BUC - FRANCE

REV 001	PCN BUCCE84048	DESCRIPTION UPDATE BOARD ID=7	DATE 28-02-01
MADE BY	ASSE	DATE 12/06/01 APPR BY CROULARD	DATE 12/06/01
REV	PCN XXXXXXX	DESCRIPTION XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX	DATE DD/MM/YY
MADE BY	NAME	DATE DD/MM/YY APPR BY NAME	DATE DD/MM/YY

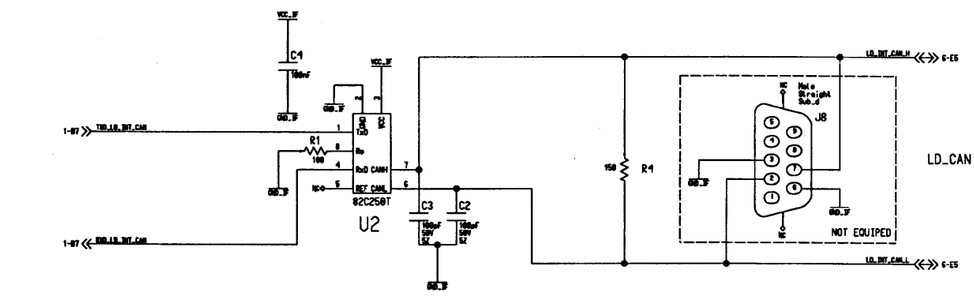
MADE CROULARD DATE 28-02-01
CHECK NAME DATE DD/MM/YY
APPR NAME DATE DD/MM/YY
OTHER NAME DATE DD/MM/YY

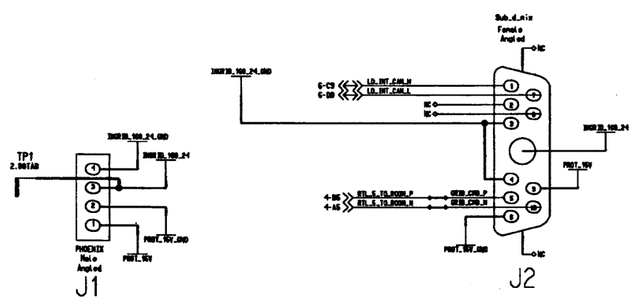
BLOCK PATHNAME $PROJECT_DIR$/generic_if_v2_ASM/generic_if_v2

00-8247-01 A

AEC-SERVICE
VT220
TAV
AEC
J6
J9
J3
U3
CONN16
CONN10
MAX232E
R23
R7
R5
R6
R21
R22
C5
C6
C7
C9
SHT. 5 CONT. 2295467ISCH
BLOCK SHT 5 OF 8
DESIGN TITLE GENERIC IF V2
FIRST MADE FOR _EDI
DRAWING NO. 2295467ISCH
REV 881
SIZE A3
SHT/CONT. ON 5 / 8
GE Medical Systems
BUC - FRANCE
BLOCK PATHNAME $PROJECT_KEDI/generic_if_v2_ASM/generic_if_v2
REV 881 PCN BUCGES-1040 DESCRIPTION UPDATE BOARD ID=7 DATE 28-02-01
MADE BY ASSE DATE 12/06/01 APPR BY CROULARD DATE 12/06/01
REV PCN XXXXXXXX DESCRIPTION XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX DATE DD/MM/YY
MADE BY NAME DATE DD/MM/YY APPR BY NAME DATE DD/MM/YY
MADE CROULARD
CHECK NAME
APPR NAME
OTHER NAME

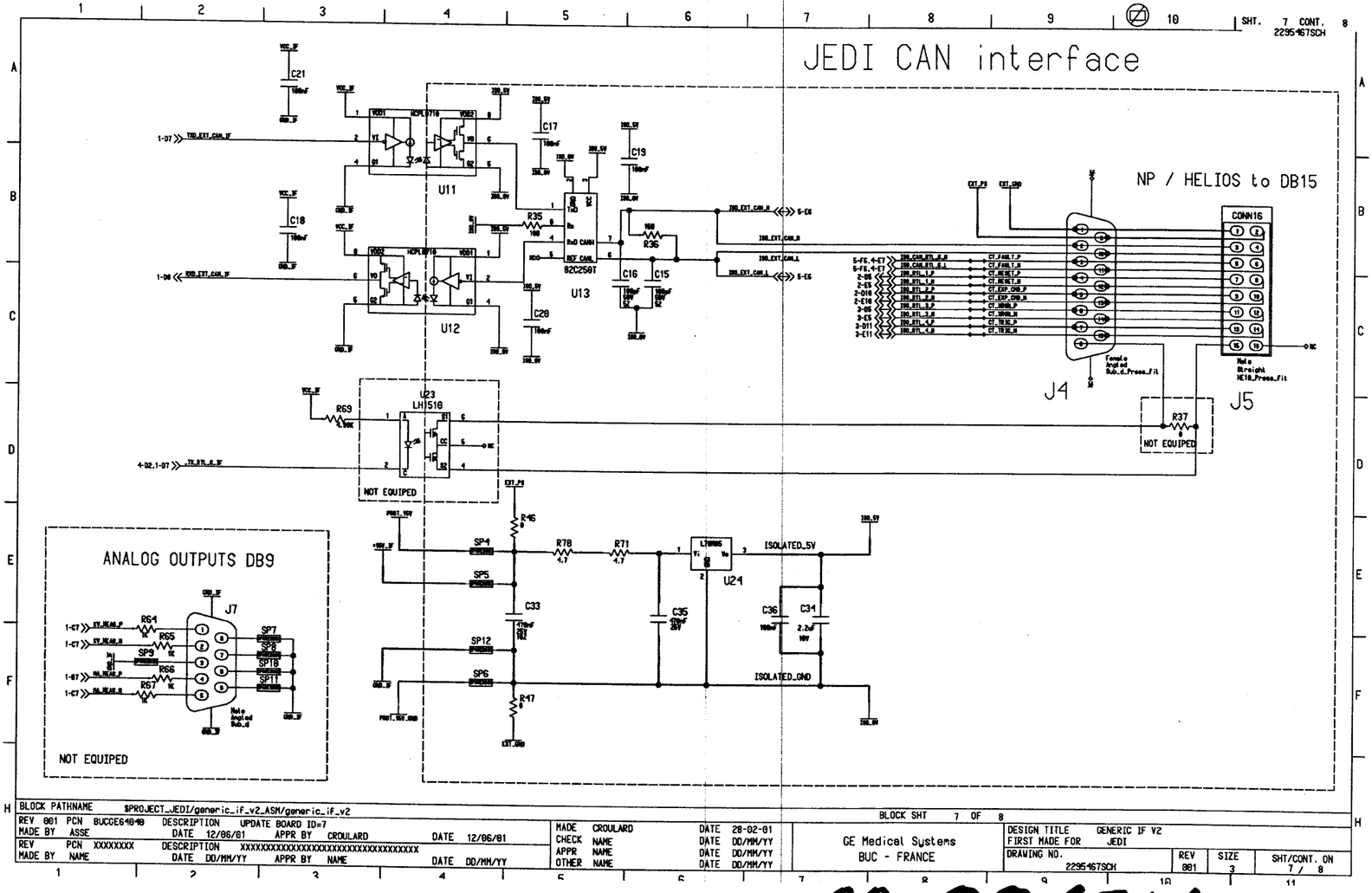
INGRID Interface





BLOCK PATHNAME $PROJECT_JEDI/generic_if_v2_ASM/generic_if_v2				BLOCK SHT 6 OF 8	
REV 001 PCN BUCGE64848 DESCRIPTION UPDATE BOARD ID=7 MADE BY ASSE DATE 12/06/01 APPR BY CROULARD DATE 12/06/01	MADE CROULARD DATE 28-02-01 CHECK NAME DATE DD/MM/YY APPR NAME DATE DD/MM/YY OTHER NAME DATE DD/MM/YY	GE Medical Systems BUC - FRANCE	DESIGN TITLE GENERIC IF V2 FIRST MADE FOR JEDI DRAWING NO. 2295467SCH	REV 001	SIZE 3
REV PCN XXXXXXXX DESCRIPTION XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX MADE BY NAME DATE DD/MM/YY APPR BY NAME DATE DD/MM/YY					SHT/CONT. ON 6 / 8

00-884214-01 A



00-884214-01 A

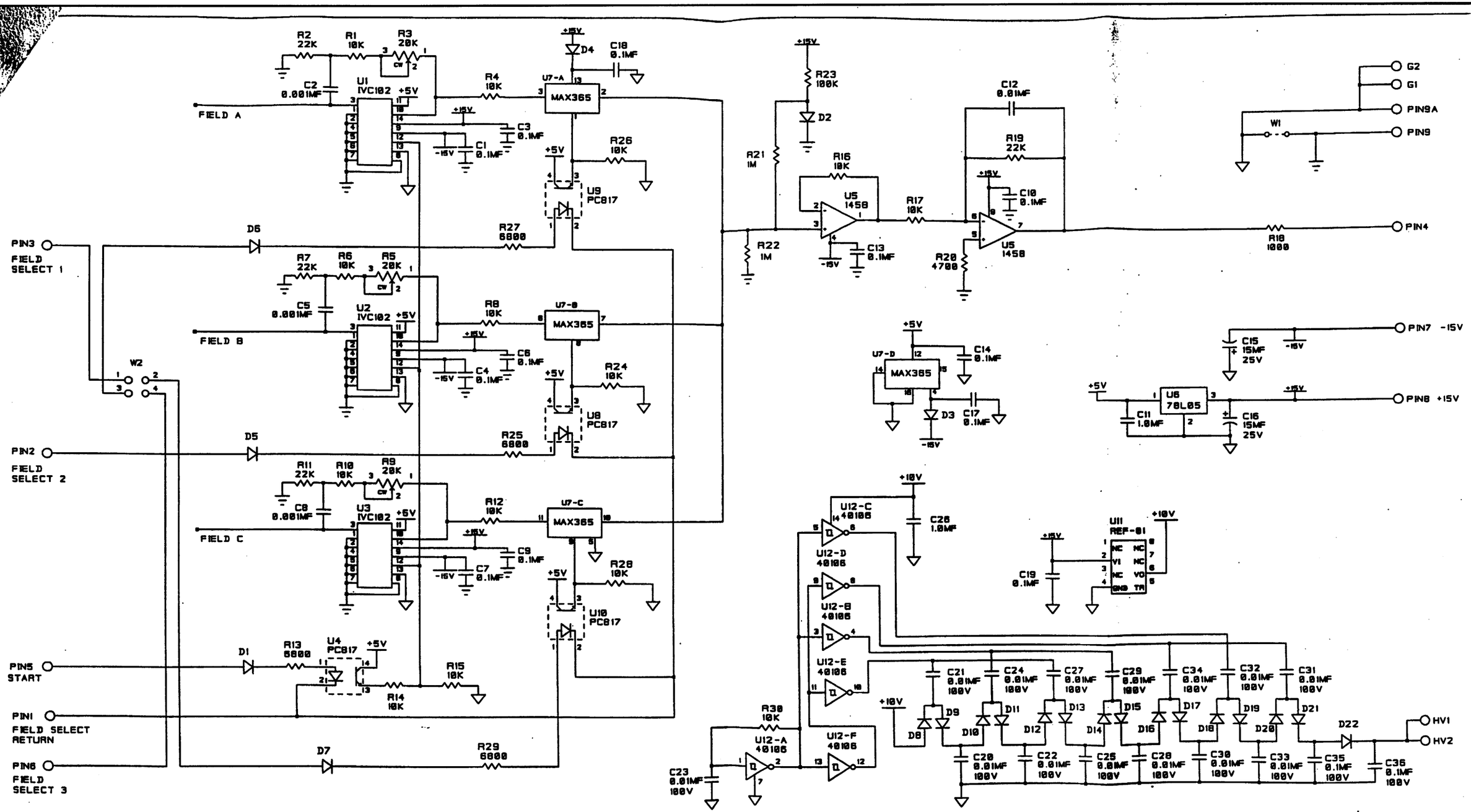
REMARKS SHEET

Defaults for non-indicated values on passive components:

Default resistor/capacitor geometries: 0603
Resistors:

Power: 0.063W
Tolerance: 1%

00-8842I4-01 A



NOTES:

1. * MANUFACTURER MAY USE ALTERNATE COMPONENTS UNLESS NOTED OTHERWISE.

REV	ECN NO.	DATE	REVISIONS	BY
00	1953	15DEC00	NEW	TRW

DO NOT SCALE

UNLESS SPECIFIED OTHERWISE: DIMENSIONS ARE IN INCHES
FRACTIONS +/- 1/64 DEC. +/- 0.010 ANGLES +/- 1 DEGREE

SCALE NONE	DRAWN BY TRW	DATE 15DEC00
MATERIAL	CHECKED BY CSL	13MAR01
FINISH	APPROVED BY BRP	13MAR01

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ADVANCED INSTRUMENT DEVELOPMENT, INC.
1011 N. 25TH AVE.
MELROSE PARK, IL 60160

X-RAY

GE ION CHAMBER
3-FIELD PRE-AMP BD. WITH L/R SWAPPING

USED ON	NEXT ASSY.	DRAWING NO.	REV
ICX SERIES		61149A	00

00-884215-01 A

BDM

CONN10

Male Straight Flat_cable

J7

R776 100

3V3

_SRESET
OSCK
VFLS0
VFLS1
_HRESET
DSDI
DSDO

Internal logic PS

PPC_D(0:31)

9-F10>6,10-A1,#5

JP4 NO_WD

R655 1K

Auto-Configuration ON

R677 1K

C265 C251 C253 C271 100nF 16V 10%

C247 C248 10nF 50V 10%

C249 100nF 16V 10%

VSSSYN1
VSSSYN
KAPWR
VDDSYN
XFC

DSDI
OSCK
DSDO
_RESET
_TRST

_PGM_APPL1_FLASH
_SSRAM_EN
_FPGA_CONFIG
_FPGA_STATUS
FPGA_CONF_DONE
ETH_10BT_TENA
SMC2_RX
SMC2_TX
_RST_DSP

VT220_DEBUG

R681 APR 1K

SMC1_RX
SMC1_TX
I2C_SCL
I2C_SDA
SPI_MISO
SPI_MOSI
SPI_CLK
_CS_ADC_BIN

_BB
_BC
_BR

C264 C250 C263 C262 100nF 16V 10%

MII_RXD3
MII_RXD2
MII_RXD1
MII_MDC
MII_TXD0
MII_RX_CLK
MII_RX_ER
MII_RX_DV
MII_TXD3
MII_TXD2
MII_TXD1

R671 R636 R653 R635 SPARE0603

PPC_MII(0:17)

PPC_A(0:31)

U70
XPC860TZP50
VCC=3V3

_IRQ0 _IRQ1 _IRQ2 _IRQ3 _IRQ4 _IRQ5 _IRQ6 _IRQ7

_RESET _SRESET _HRESET _AS

MII_CRS MII_MDIO MII_TX_EN MII_COL

_WE0/_BS_B0 IORD
_WE1/_BS_B1 IOWR
_WE2/_BS_B2 PCOE
_WE3/_BS_B3 PCWE

Controls D(0:7) MSB 8-E1,5-C4>2,#2
Controls D(8:15) 8-E1,3-C8>2,#1
Controls D(16:23) 8-E1,3-C8>2,#1
Controls D(24:31) LSB 8-E1,3-C8>2,#1

_GPL_B0/_GPL_A0 _OE/_GPL_B1/_GPL_A1 _GPL_A2/_CS2/_GPL_B2 _GPL_A3/_CS3/_GPL_B3 UPWAITA/_GPL_A4 UPWAITB/_GPL_B4 _GPL_A5

8-D1,2-D8>2 _OE 8-D1,7-D1,5-C4,#2 8-D1,2-D8>2 8-D1,2-D8>2 8-E1,2-D11 8-D1,2-E8 8-E1,3-G1,2-E11

IWP0/VFLS0/IP_B0 IWP1/VFLS1/IP_B1 DSDI/AT0/IP_B6 DSCK/AT1/ALE_B _IOIS16_B/AT2/IP_B2 PTR/AT3/ IP_B7 LWP0/VF0/ IP_B4 LWP1/VF1/ IP_B5 IWP2/VF2/ IP_B3 _WAIT_B OP0 OP1 OP3/DSDO/MODCK2 OP2/_STS/MODCK1

VFLS0 VFLS1 NC MODCK2 MODCK1 9-F10 9-F10

PA0/_TOUT4/L1TCLKB/CLK8 PA1/TIN4/BRGO4/CLK7 PA2/_TOUT3/L1RCLKB/BRGCLK2/CLK6 PA3/TIN3/BRGOUT3/CLK5 PA4/_TOUT2/CLK4 PA5/TIN2/L1TCLKA/BRGOUT2/CLK3 PA6/BRGCLK1/_TOUT1/CLK2 PA7/TIN1/L1RCLKA/BRGO1/CLK1

SCC_CLK8 SCC_CLK7 _TOUT3 TIN3 ETH_10BT_RCK TIN2 _TOUT1 ETH_10BT_TCK

20-E2 20-E2 5-E1 5-E1 20-D4 5-E1 5-E1 20-D4

HDLC_CLOCKS

TXD4(860T)/ PA8/L1RXDA RXD4(860T) PA9/ L1TXDA TXD3(860T)/PA10/L1RXDB RXD3(860T) PA11/L1TXDB

SCC4_TX SCC4_RX SCC3_TX SCC3_RX

R672 R696 R685 R694 0

20-E2,7-E8 20-F4,7-E8 20-F2 20-G4

TAV HDLC_DATA CONSOLE/PUP

PA12/_TXD2 PA13/RXD2 PA14/TXD1 PA15/RXD1

SCC2_TX SCC2_RX ETH_10BT_TX ETH_10BT_RX

20-D2 20-G4 20-E2 20-D4

CLKOUT W3 9-C1,2-E11 SYSTEM_CLK

R540 SPARE0603 3V3

CLK_4MHZ 21-D4,9-C10

PPC_XTAL 9-F6

PPC_EXTAL 9-F6

_BS_A3 _BS_A2 _BS_A1 _BS_A0

8-E1,2-C8 8-E1,3-F1,2-B8 8-E1,2-D8 8-E1,3-F3,2-D8

_CS(0:7) 8-B11>9,2-C1>4,#2

BLOCK PATHNAME	$PROJECT_JEDI/ppc_kv_ctrl_v1b_2_ASM/ppc_kv_ctrl_v1b_2					BLOCK SHT 1 OF 22	
REV PCN XXXXXXXX DESCRIPTION XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX		MADE ASSE	DATE 14/12/99	GE Medical Systems BUC - FRANCE		DESIGN TITLE PPC KV CTRL V1B2	
MADE BY NAME DATE DD/MM/YY APPR BY NAME DATE DD/MM/YY		CHECK AYMARD	DATE 14/12/99			FIRST MADE FOR JEDI	
REV PCN XXXXXXXX DESCRIPTION XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX		APPR CASTEIGNAU	DATE 14/12/99			DRAWING NO. 2262728SCH	REV A / SIZE 3 / SHT/CONT. ON 1 / 22
MADE BY NAME DATE DD/MM/YY APPR BY NAME DATE DD/MM/YY		OTHER NAME	DATE DD/MM/YY				

00-885017-01 A

PPC_BA(13:29)

4-F1>4,10-B1,#4 >>

PPC_BD(0:31) <<>> 9-F10>6,10-A1,#6

3V3

C257 100nF 16V 10% | C255 100nF 16V 10% | C273 100nF 16V 10% | C256 100nF 16V 10%

C276 100nF 16V 10% | C272 100nF 16V 10%

R657 2K | R659 2K

SSRAM_1
DRIVEN BY UPMB

IS61S6432-8
U72

9-B4 >>	SYSTEM_CLK1	CLK
	NC	ZZ
		MODE
8-B11>2,1-C8 >>	_CS_SSRAM	_CE
		CE2
8-D1,1-C3 >>	_SSRAM_EN	_CE3
		_OE
		_GW
		_ADV
		_ADSC
		_ADSP
		_BW1 Controls (DQ1-DQ8) ==> LSB
		_BW2 Controls (DQ9-DQ16)
		_BW3 Controls (DQ17-DQ24)
		_BW4 Controls (DQ25-DQ32) ==> MSB
		_BWE

A0 A1 A2 A3 A4 A5 A6 A7 A8 A9 A10 A11 A12 A13 A14 A15 NC1A16

GND GND GND GND | VCC VCC VCC VCC | GNDQ GNDQ GNDQ GNDQ GNDQ GNDQ GNDQ GNDQ | VCCQ VCCQ VCCQ VCCQ VCCQ VCCQ VCCQ VCCQ VCCQ VCCQ

NC1DQP1 NC1DQP2 NC1DQP3 NC1DQP4 → NC

DQ1 DQ2 DQ3 DQ4 DQ5 DQ6 DQ7 DQ8 DQ9 DQ10 DQ11 DQ12 DQ13 DQ14 DQ15 DQ16 DQ17 DQ18 DQ19 DQ20 DQ21 DQ22 DQ23 DQ24 DQ25 DQ26 DQ27 DQ28 DQ29 DQ30 DQ31 DQ32

driven by UPM B

8-D1,7-D1,5-C4,#3	_B_OE_UPMB
8-D1,1-C11,2-D8	_CPL_B0
8-D1,1-C11,2-D8	_CPL_B2
8-D1,1-C11,2-D8	_CPL_B3
8-E1,3-C8>2,#2	_B_BS_B3
8-E1,3-C8>2,#2	_B_BS_B2
8-E1,3-C8>2,#2	_B_BS_B1
8-E1,5-C4>2,#3	_B_BS_B0
10-C1,8-D1,#4	B_RD_WR

FX9 FX8 FX11 FX10

J9

CONN64 — Receptacle Straight IEEE_P1386

4-F1>4,10-B1,#4 >> PPC_BA(0:31)

	5	VCC
	_RESET	<< 19-E6,9-D10,#5
	_BS_A2	<< 8-E1,3-F1,1-F10
	3V3	
	_TA	<< 8-C1,5-C3,1-F6
	_BS_A3	<< 8-E1,1-F10
	3V3	
	_BS_A1	<< 8-E1,1-G10
	_BS_A0	<< 8-E1,3-F3,1-C10
	3V3	
	_CPL_B0	<< 8-D1,1-C11,2-D1
	_CPL_B2	<< 8-D1,1-C11,2-D1
	_CPL_B3	<< 8-D1,1-C11,2-E1
	_CPL_B4	<< 8-D1,1-C11
	_CPL_B5	<< 8-E1,1-F6
	3V3	
	_B_OE_UPMB	<< 8-D1,7-D1,5-C4,#3
	PCM_APPLI_FLASH	<< 3-C5
	3V3	
	B_RD_WR	<< 10-C1,8-D1,#4
	5	VCC

J8

CONN64 — Receptacle Straight IEEE_P1386

9-F10>6,10-A1,#6 >> PPC_BD(0:31)

	5	VCC
	_CS_MZ1	<< 8-B11>2,1-C8
	_B_BS_B3	<< 8-E1,3-C8>2,#2
	3V3	
	_CS_MZ2	<< 8-B11>2,1-C8
	_B_BS_B2	<< 8-E1,3-C8>2,#2
	3V3	
	_CS_MZ3	<< 8-B11>2,1-C8
	_B_BS_B1	<< 8-E1,3-C8>2,#2
	_B_BS_B0	<< 8-E1,5-C4>2,#3
	3V3	
	_GPL_A4	<< 8-E1,1-C11
	_GPL_A5	<< 8-E1,3-G1,1-C11
	3V3	
	SYSTEM_CLK	<< 9-C1,1-E10
	3V3	
	I2C_SDA	<< 8-C1,1-D3
	I2C_SCL	<< 8-C1,1-D3
	5	VCC

BLOCK PATHNAME $PROJECT_JEDI/ppc_kv_ctrl_v1b_2_ASM/ppc_kv_ctrl_v1b_2

BLOCK SHT 2 OF 22

REV	PCN	DESCRIPTION	DATE
MADE BY	NAME	DATE DD/MM/YY	APPR BY NAME DATE DD/MM/YY
REV	PCN	DESCRIPTION	DATE
MADE BY	NAME	DATE DD/MM/YY	APPR BY NAME DATE DD/MM/YY

MADE	ASSE	DATE 14/12/99
CHECK	AYMARD	DATE 14/12/99
APPR	CASTEIGNAU	DATE 14/12/99
OTHER	NAME	DATE DD/MM/YY

GE Medical Systems
BUC - FRANCE

DESIGN TITLE PPC KV CTRL V1B2
FIRST MADE FOR JEDI

DRAWING NO.	REV	SIZE	SHT/CONT. ON
2262728SCH	A	3	2 / 22

00-885017-01 A

PPC ASYNCHRONOUS BUS

8-A11>2,1-G8 _CS_BOOT_FLASH
_B_OE
_B_WE0
PPC_BD(0:31) 9-F10>6,10-A1,#6
3V3
C235 100nF 16V 10%
BOOT FLASH
AM29LV010B-90 U64
R809 0 1K
PGM_APPLI_FLASH
_B_WE0
8-A11>2,1-G8 _CS_NVRAM
_B_OE
C224 100nF 16V 10%
M48T35V-10MH1 U59
NVRAM
PPC_BA(10:31) 4-F1>4,2-A1>2,#4
Driven By UPMA
LSB APPLI FLASH U73
MSB APPLI FLASH U74
28F160F3T120
C280 C261 100nF 16V 10%
C260 C279 100nF 16V 10%
9-B4,3-F3 SYSTEM_CLK2
8-E1,2-B8,1-F10 _BS_A2
8-A11>2,1-G8 _CS_APPLI_FLASH
_B_OE_UPMA
19-E6,9-D10,#5 _RESET
8-E1,2-E11,1-C11 _CPU_AS
PP31
9-B4,3-F1 SYSTEM_CLK2
8-E1,2-D8,1-G10 _BS_A0
PP32
NOT EQUIPED
0 OHMS
R808 1K
Q20 MMBF0202P
R806
1-C3 _PGM_APPLI_FLASH
R805 2K NOT EQUIPED
NOT EQUIPED R807 1K
DS18 RED
PGM_APPLI_FLASH 2-E8

4-F1>4,2-A1>2,#4 PPC_A(0:31) PPC_BA(0:31) 4-F1>4,2-A1>2,#4
9-F10>6,10-A1,#6 PPC_D(0:31) PPC_BD(0:31) 9-F10>6,10-A1,#6

10-C1,8-D1,#4 RD_WR B_RD_WR 10-C1,8-D1,#4
8-E1,5-C4>2,#3 _WE0 _B_WE0 8-E1,5-C4>2,#3
8-E1,2-D11>2,#2 _WE1 _B_WE1
8-E1,2-C11>2,#2 _WE2 _B_WE2
8-E1,2-B11>2,#2 _WE3 _B_WE3
8-D1,7-D1,5-C4,#3 _OE _B_OE 8-D1,7-D1,5-C4,#3
_B_OE
_B_OE_UPMA
_B_OE_UPMB 8-D1,7-D1,5-C4,#3
_B_WE0 _B_BS_B0 8-E1,5-C4>2,#3
_B_WE1 _B_BS_B1 8-E1,2-D11>2,#2
_B_WE2 _B_BS_B2 8-E1,2-C11>2,#2
_B_WE3 _B_BS_B3 8-E1,2-B11>2,#2

BLOCK PATHNAME	$PROJECT_JEDI/ppc_kv_ctrl_v1b_2_ASM/ppc_kv_ctrl_v1b_2	BLOCK SHT 3 OF 22	
REV PCN XXXXXXXX DESCRIPTION XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX MADE BY NAME DATE DD/MM/YY APPR BY NAME DATE DD/MM/YY	MADE ASSE DATE 14/12/99 CHECK AYMARD DATE 14/12/99 APPR CASTEIGNAU DATE 14/12/99 OTHER NAME DATE DD/MM/YY	GE Medical Systems BUC - FRANCE	DESIGN TITLE PPC KV CTRL V1B2 FIRST MADE FOR JEDI DRAWING NO. 2262728SCH / REV A / SIZE 3 / SHT/CONT. ON 3 / 22

00-885017-01 A

5V Asynchronous bus

External CAN

HS Internal CAN

LD Internal CAN

2-A1>2,10-B1,#3 PPC_BA(21:31)
5-B3 ISO_CAN_BUS
9-F10>3,19-A1,#5 PPC_D(0:7)
PPC_D_5V(0:7)
9-C4 CAN1_CLK
9-C4 CAN2_CLK
9-C4 CAN3_CLK
10-C1,8-D1,#4 B_RD_WR
8-D9>2,1-A7 _IRQ_EXT_CAN
19-E6,9-D10,#5 _RESET
5-B3 _CAN_DSACK
10-C1,8-D1,#4 B_RD_WR
20-D8,7-E8 TXD_EXT_CAN
20-D8,7-E8 RXD_EXT_CAN
8-D9>2,1-A7 _IRQ_HS_INT_CAN
_CS_EXT_CAN
_CS_HS_INT_CAN
TXD_HS_INT_CAN
RXD_HS_INT_CAN
7-A9
7-B9
YELLOW
TXD_LD_INT_CAN
RXD_LD_INT_CAN
20-B2
20-B4
8-D9>2,1-A7 _IRQ_LD_INT_CAN
_CS_LD_INT_CAN
_CS_DAC_KVMAX
_CS_DAC_ILR
15-E5
12-C8
3-C1>3,2-B7>2,1-F4 PPC_A(23)
3-C1>3,2-B7>2,1-F4 PPC_A(22)
3-C1>3,2-B7>2,1-F4 PPC_A(21)
8-B11>2,1-G8 _CS_CAN_ID
_CS_HS_INT_CAN 5-B3
_CS_LD_INT_CAN 5-B3
_CS_EXT_CAN 5-B3
_CS_SYSTEM_ID 7-C4
_CS_FPGA 5-C4
_CS_DSP 10-B1,5-B3
_CS_KV_CTRL_ID 7-F4
_CS_INVERTER_ID 7-D4
CONTINUITY_IN_1 13-E2
CONTINUITY_IN_2 13-E2
CONTINUITY_IN_3 20-C10
CONTINUITY_IN_4 20-A4
CONTINUITY_OUT_1 13-B2
CONTINUITY_OUT_2 13-C2
CONTINUITY_OUT_3 20-B8
CONTINUITY_OUT_4 20-C2
PP30
PP29
PP28
PP27
PP26
PP25

BLOCK PATHNAME	$PROJECT_JEDI/ppc_kv_ctrl_v1b_2_ASM/ppc_kv_ctrl_v1b_2					BLOCK SHT	4 OF 22
REV PCN XXXXXXXX DESCRIPTION XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX							
MADE BY NAME DATE DD/MM/YY APPR BY NAME DATE DD/MM/YY							
REV PCN XXXXXXXX DESCRIPTION XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX							
MADE BY NAME DATE DD/MM/YY APPR BY NAME DATE DD/MM/YY							
MADE ASSE DATE 14/12/99	CHECK AYMARD DATE 14/12/99	APPR CASTEIGNAU DATE 14/12/99	OTHER NAME DATE DD/MM/YY	GE Medical Systems BUC - FRANCE	DESIGN TITLE PPC KV CTRL V1B2	FIRST MADE FOR JEDI	
					DRAWING NO. 2262728SCH	REV A	SIZE 3
							SHT/CONT. ON 4 / 22

00-885017-01 A

EPF10K30A-3

U71

Recommended
Free I/O
Not 10k10
Compliants

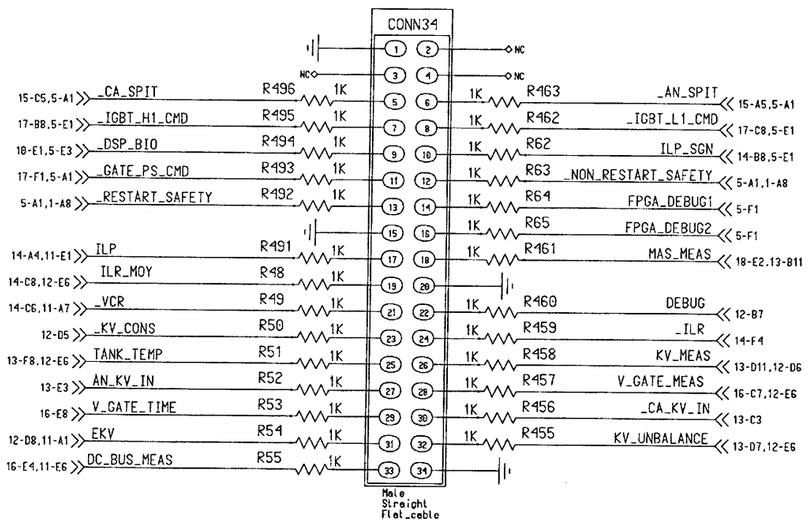
Free I/O

Free I/O
NOT recommended

BLOCK PATHNAME	$PROJECT_JEDI/ppc_kv_ctrl_v1b_2_ASM/ppc_kv_ctrl_v1b_2							BLOCK SHT 5 OF 22			
REV	PCN XXXXXXXX	DESCRIPTION XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX			MADE	ASSE	DATE 14/12/99	GE Medical Systems	DESIGN TITLE PPC KV CTRL V1B2		
MADE BY	NAME	DATE DD/MM/YY	APPR BY NAME	DATE DD/MM/YY	CHECK	AYMARD	DATE 14/12/99		FIRST MADE FOR JEDI		
REV	PCN XXXXXXXX	DESCRIPTION XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX			APPR	CASTEIGNAU	DATE 14/12/99	BUC - FRANCE	DRAWING NO. 2262728SCH	REV A	SIZE 3	SHT/CONT. ON 5 / 22
MADE BY	NAME	DATE DD/MM/YY	APPR BY NAME	DATE DD/MM/YY	OTHER	NAME	DATE DD/MM/YY				

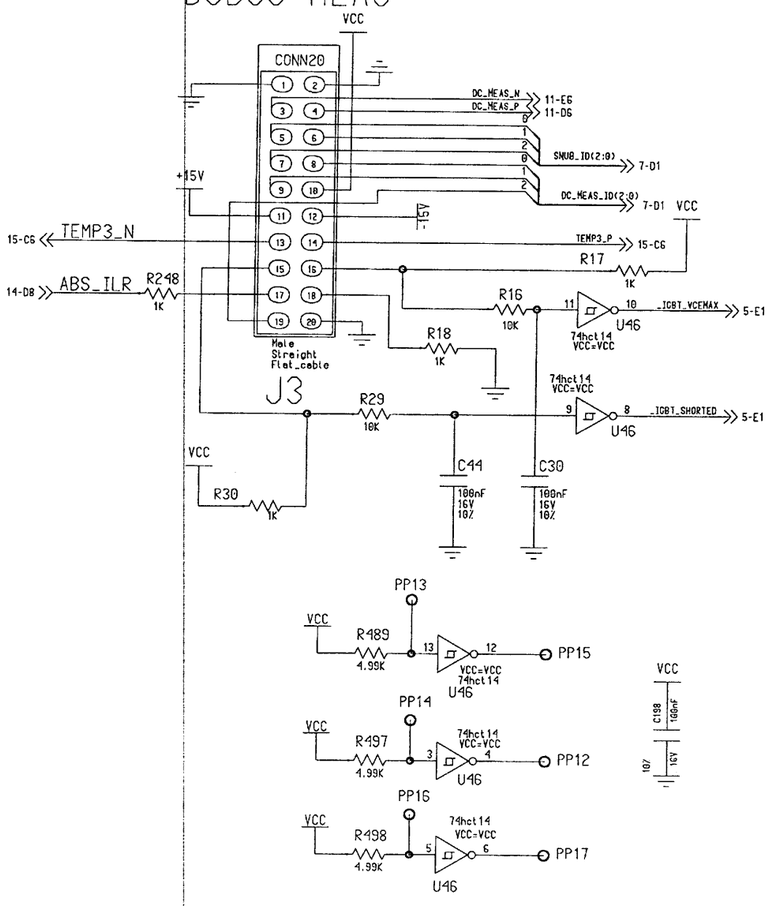
00-885017-01 A

TEST



J11

DCBUS MEAS



1	2	3	4	5	6	7	8	9	10	11	

BLOCK PATHNAME $PROJECT_JEDI/ppc_kv_ctrl_v1b_2_ASM/ppc_kv_ctrl_v1b_2

REV	PCN XXXXXXXX	DESCRIPTION XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX					
MADE BY	NAME	DATE DD/MM/YY	APPR BY NAME	DATE DD/MM/YY			
REV	PCN XXXXXXXX	DESCRIPTION XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX					
MADE BY	NAME	DATE DD/MM/YY	APPR BY NAME	DATE DD/MM/YY			

MADE	ASSE	DATE	14/12/99
CHECK	AYMARD	DATE	14/12/99
APPR	CASTEIGNAU	DATE	14/12/99
OTHER	NAME	DATE	DD/MM/YY

BLOCK SHT 6 OF 22

GE Medical Systems
BUC - FRANCE

DESIGN TITLE PPC KV CTRL V1B2
FIRST MADE FOR JEDI

DRAWING NO.	REV	SIZE	SHT/CONT. ON
2262728SCH	A	3	6 / 22

00-885017-01 A

MAIN_-15V
MAIN_+15V
F2 1AT_63V
F1 2AT_63V
CONN26
Male Straight Flat_cable
J2

VCC=VCC 74hct14
5-A1,1-A7 _MAINS_DROP
U46
R157 10K
100nF C126
JP2 NOCBL
3V3

U3 MAX485E soic8 VCC=VCC
U8 MAX485E soic8 VCC=VCC
U14 MAX485E soic8 VCC=VCC
U19 MAX485E soic8 VCC=VCC
DE _RE DI RO A B

MAINS_DROP_H
MAINS_DROP_L
RESET_L
RESET_H
RT_17_18_H
RT_17_18_L
RT_19_20_H
RT_19_20_L

R116 100 R82 100 R83
R84 100 R116 100 R117
R119 100 R86 100 R85
R129 100 R87 100 R88

5-F1 _RESET_HEAT_ROT
R682 4.99K
5-F1 RTL2_INT
R660 4.99K
5-F1 RTL1_INT
R675 4.99K

C123 100pF 5%
C112 100pF 5%
R115 100 R81 100 R80 100
U9 82C250T
VCC TxD GND Rs CANH RxD CANL REF NC
1TXD_HS_INT_CAN 4-A11
R156 100
4-A11 RXD_HS_INT_CAN

C124 C125 C139 C146 C153
100nF 16V 10Z

PPC_BD(0:7) 9-F10>3,10-A1,#5

SNUB_ID(2:0) 6-C10
DC_MEASS_ID(2:0) 6-C10
_B_OE 8-D1,5-C4,#3
4-F4 _CS_INVERTER_ID

74LVC-LCX541A
U84
U85
U86
R791 4.99K R31 R27 R13 R23 R11 R25 R794
R793 1K R24 R12 R22 R792 R32 R26 R14
R131 1K R102 R99 R98
R106 1K R136 R105 R151 R567 R002 R628 R634
R158 4.99K R101 R149 R148
R107 4.99K R137 R104 R135 R566 R001 R627 R633
VCC=3V3
4-F4 _CS_KV_CTRL_ID
4-F4 _CS_SYSTEM_ID

ID = 0 0 0 1

INV_ID(3:0) 13-D2
KV_CTRL_ID(3:0)
TANK_ID(3:0) 13-C2
IF_ID(3:0) 20-D10

R772 R769 R770 R789 R790 R787 R788 R771 0 RA0603

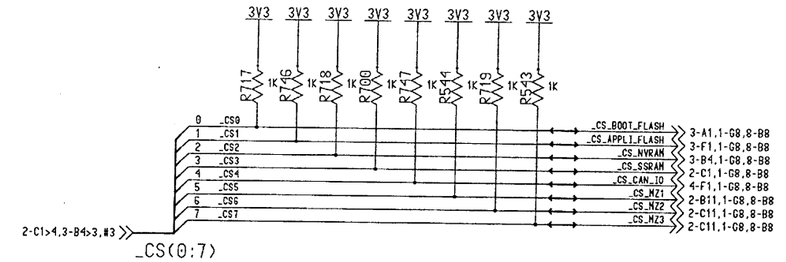
C298 C299 C297 C294 100nF 16V 10Z

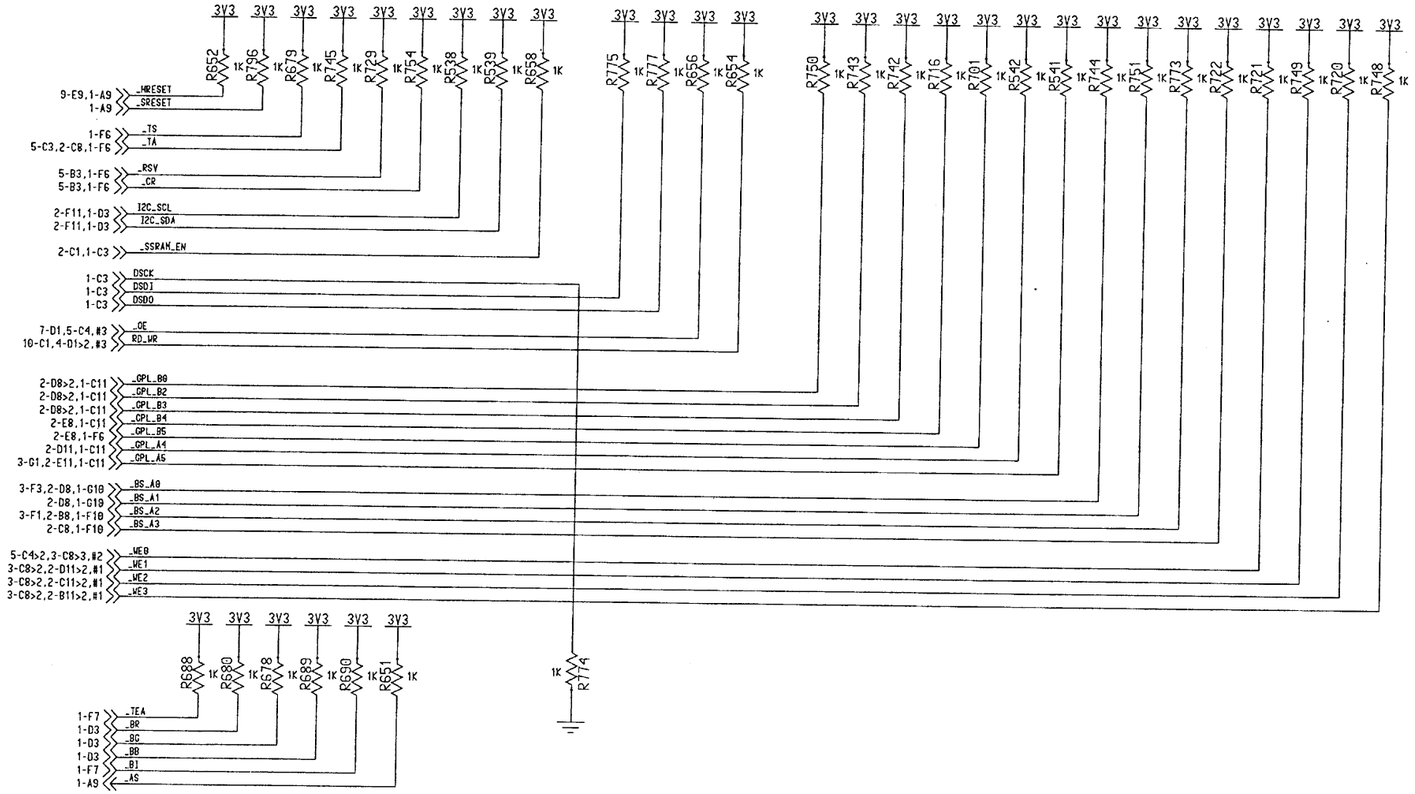
LYS260-DO YELLOW 1.3x3MM
TX_TAV DS14
RX_TAV DS15
TX_CONS DS16
RX_CONS DS17
T_CAN_X DS13
R_CAN_X DS12
RESET DS10 RED
R812 R811 R810 R809 R813 R814 R816 1K

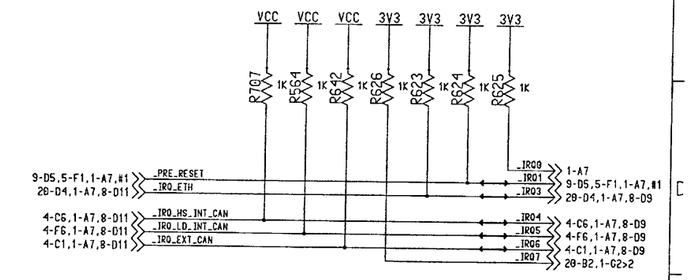
20-E2,1-E10 SCC4_TX
20-F4,1-E10 SCC4_RX
20-D2,1-D3 SMC2_TX
20-E4,1-C3 SMC2_RX
TXD_EXT_CAN
RXD_EXT_CAN
20-D8,4-A5 FRZ
1-A7 _RESET
19-E6,9-D10,#5
U83
R760 1K
R815 1K
DS11 BDM RED

BLOCK PATHNAME	$PROJECT_JEDI/ppc_kv_ctrl_v1b_2_ASM/ppc_kv_ctrl_v1b_2					BLOCK SHT 7 OF 22	
REV PCN XXXXXXXX	DESCRIPTION XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX	MADE ASSE	DATE 14/12/99	GE Medical Systems BUC - FRANCE		DESIGN TITLE PPC KV CTRL V1B2	
MADE BY NAME	DATE DD/MM/YY APPR BY NAME DATE DD/MM/YY	CHECK AYMARD	DATE 14/12/99			FIRST MADE FOR JEDI	
REV PCN XXXXXXXX	DESCRIPTION XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX	APPR CASTEIGNAU	DATE 14/12/99			DRAWING NO. 2262728SCH	REV A / SIZE 3 / SHT/CONT. ON 7 / 22
MADE BY NAME	DATE DD/MM/YY APPR BY NAME DATE DD/MM/YY	OTHER NAME	DATE DD/MM/YY				

00-885017-01 A







BLOCK PATHNAME $PROJECT_JEDI/ppc_kv_ctrl_v1b_2_ASM/ppc_kv_ctrl_v1b_2						BLOCK SHT 8 OF 22	
REV PCN XXXXXXXX DESCRIPTION XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX							
MADE BY NAME DATE DD/MM/YY APPR BY NAME DATE DD/MM/YY	MADE ASSE	DATE 14/12/99	GE Medical Systems BUC - FRANCE	DESIGN TITLE PPC KV CTRL V1B2			
REV PCN XXXXXXXX DESCRIPTION XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX	CHECK AYMARD	DATE 14/12/99		FIRST MADE FOR JEDI			
MADE BY NAME DATE DD/MM/YY APPR BY NAME DATE DD/MM/YY	APPR CASTEIGNAU	DATE 14/12/99		DRAWING NO. 2262728SCH	REV A	SIZE 3	SHT/CONT. ON 8 / 22
	OTHER NAME	DATE DD/MM/YY					

00-885017-01 A

3V3 R527 1K 74LVC-LCX32 U60

R519 R518 R545 R546 R547 SPARE0603

R600 SPARE0603

3V3 C228 100nF 16V 10%

U63 QS53805

2-E11,1-E10 >> SYSTEM_CLK

SYSTEM_CLK1 SYSTEM_CLK2 SYSTEM_CLK3 SYSTEM_CLK4 SYSTEM_CLK5 PP21

2-C1 3-F3>2 5-B3 10-E7

PP22

CLK_16MHZ

CAN3_CLK CAN2_CLK CAN1_CLK

4-D6 4-A7 4-A3

PP23 PP24

R598 R599 R597 SPARE0603

CLK_32MHZ >> 5-A3

CLK_16MHZ

3V3 C293 100nF 16V 10%

U80 VCC GND EN 32MHz

PP35

3V3 R736 1K 74LVC-LCX74 U77 PP36

CLK_8MHZ

3V3 R735 1K 74LVC-LCX74 U77 PP37

CLK_4MHZ

3V3 R733 1K 74LVC-LCX74 U78 PP38

CLK_2MHZ

3V3 R732 1K 74LVC-LCX74 U78 PP32

3V3 C289 C291 100nF 16V 10%

PP33

CLK_8MHZ >> 21-E4

CLK_4MHZ >> 21-D4,1-F10

3V3 R734 1K C290 100nF 16V 10%

3V3 C110 220nF 63V 20% 3V3 C111 100uF 6.3V 20%

3V3 R779 10 C300 100nF 25V -20+80%

U87 MAX811T VCC RESET MR GND

_RESET >> 19-E6,7-F8,5-A3,#4

20-E4>2,5-C1 RESET_FROM_ROOM >>

20-F2>2,5-C1 _RESET_TO_ROOM >>

74hct132 U79 CR20 bav99 NC

R782 10K

R795 4.99K VCC

C301 100nF 16V 10%

74hct132 U79

74hct132 U79

_PRE_RESET >> 8-D9>2,5-F1,1-A7

R761 100K C296 100nF 16V 10%

74hct132 U79

R781 2K R780 2K

Q19 SD2222A

BP1 KT1181JK RST

VCC C295 100nF 16V 10%

REMPLACER par 470nF 1206

32.768KHz Y1 C246 10pF 50V 5% C252 10pF 50V 5%

R649 100K R650 100K

R66 10M 5% 0.125W 1206

PPC_EXTAL <<>> 1-F19

PPC_XTAL <<>> 1-F19

8-C1,1-A9 >> HRESET

U67 74LVC-LCX541A

R632 R631 R630 R629 R644 R645 R646 R647 1K SPARE0603

R607 R606 R605 R604 R668 R669 R670 R648 1K SPARE0603

BOOT AUTO_CONF

MODCK2 MODCK1 PPC_D(1) PPC_D(5) PPC_D(7) PPC_D(12) PPC_D(9) PPC_D(10)

1-D10 1-D10 10-A1,7-C6,5-D5,#4 10-A1,7-C6,5-D5,#4 10-A1,7-C6,5-D5,#4 3-A5>3,2-A11>2,#1 3-A5>3,2-A11>2,#1

3V3 C238 100nF 16V 10%

BLOCK PATHNAME $PROJECT_JEDI/ppc_kv_ctrl_v1b_2_ASM/ppc_kv_ctrl_v1b_2

BLOCK SHT 9 OF 22

REV	PCN	XXXXXXXX	DESCRIPTION	XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX		
MADE BY	NAME		DATE	DD/MM/YY	APPR BY	NAME	DATE	DD/MM/YY
REV	PCN	XXXXXXXX	DESCRIPTION	XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX		
MADE BY	NAME		DATE	DD/MM/YY	APPR BY	NAME	DATE	DD/MM/YY

MADE	ASSE	DATE 14/12/99
CHECK	AYMARD	DATE 14/12/99
APPR	CASTEIGNAU	DATE 14/12/99
OTHER	NAME	DATE DD/MM/YY

GE Medical Systems
BUC - FRANCE

DESIGN TITLE PPC KV CTRL V1B2
FIRST MADE FOR JEDI

DRAWING NO.	REV	SIZE	SHT/CONT. ON
2262728SCH	A	3	9 / 22

00-885017-01 A

TMS320VC5402

U62

PPC_BD(0:7)

PPC_BA(29:31)

_CS_DSP

RD_WR

_DSP_INT1

_DSP_BIO

_RST_DSP

SYSTEM_CLK4

DSP_D(15:0)

DSP_A(3:0)

DSP_EMU1_OFF
DSP_EMU0
_DSP_TRST
DSP_TMS
DSP_TDO
DSP_TDI
DSP_TCK

J5
CONN12
Male Straight
Snd_1.27mm

BLOCK PATHNAME	$PROJECT_JEDI/ppc_kv_ctrl_v1b_2_ASM/ppc_kv_ctrl_v1b_2		
REV PCN XXXXXXXX DESCRIPTION XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX MADE BY NAME DATE DD/MM/YY APPR BY NAME DATE DD/MM/YY	MADE ASSE DATE 14/12/99 CHECK AYMARD DATE 14/12/99 APPR CASTEIGNAU DATE 14/12/99 OTHER NAME DATE DD/MM/YY	GE Medical Systems BUC - FRANCE	DESIGN TITLE PPC KV CTRL V1B2 FIRST MADE FOR JEDI DRAWING NO. 2262728SCH · REV A · SIZE 3 · SHT/CONT. ON 10 / 22

BLOCK SHT 10 OF 22

00-885017-01 A

EKV_ADC
21-D4
0=0
BZV55C10 BZV55C10
CR19 CR16
CR13 BAV99
R383 20K
R819 SPARE0603
R413 10K
-ALIM_P11
EKV R354 10K
12-D8,6-D2
R382 10K
R384 10K
U36 TL082B
-EkV
R412 10K
R411 100K
C81 100nF
+15V -20+80% 25V
-10VREF
EkV+1
0V< <2V
1V=10kV
R447 10K
U40 TL082B
+ALIM_P11
C101 10uF 16V 20%
C179 100nF 16V 10%
C194 100nF 16V 10%
C180 100nF 25V -20+80%
3V3
R465 1K
5-E3,11-F1>3 CLK_ADC
5-E3 _OE_ADC1
+15V
C70 C79 C34 C80 C78 C35 100nF -20+80% 25V
1 Ohm 3V3
C181 100nF 16V 10%
R468 0
C201 100nF 10% 16V
R467 1K
U54 AD9200
AVCC DVCC
CLAMPIN CLAMP
AIN
REFTS REFBS
REFTF REFBF
OTR CLK STBY MODE THREE-STATE
REFSENSE VREF
AGND DGND
D0 D1 D2 D3 D4 D5 D6 D7 D8 D9
R466 1K
C178 470nF 25V 10%
-15V 0V
R47 R417 SPARE0603
C89 C91 100nF -20+80% 25V
-ALIM_P11 0
+ALIM_P11 0
R418 R46 SPARE0603
C90 C92 100nF -20+80% 25V
+15V VCC
BZV55C10 BZV55C10
CR18 CR15
R385 20K
ILP
14-A4,6-D2
R387 10K
-15V
R386 100K
-ILp x 2
R388 10K
U36 TL082B
+15V
R416 100K
-10VREF
R415 10K
-ALIM_P11
ILp/5+1
0V< <2V
1V=300A
R414 10K
U40 TL082B
+ALIM_P11
C183 100nF 16V 10%
C100 10uF 16V 20%
C195 100nF 16V 10%
C184 100nF 25V -20+80%
3V3
R469 1K
5-E3,11-C1>3 CLK_ADC
5-E3 _OE_ADC2
1 Ohm 3V3
C185 100nF 16V 10%
R472 0
C202 100nF 10% 16V
R471 1K
U53 AD9200
R470 1K
C182 470nF 25V 10%
BZV55C10 BZV55C10
CR17 CR14
R392 10K
_VCR
14-C6,6-D2
R394 10K
-15V
R393 100K
VCr
U35 TL082B
+15V
R395 10K
-10VREF
R423 10K
-ALIM_P11
-VCr/10+1
0V< <2V
1V=2700
R424 100K
R422 10K
U39 TL082B
+ALIM_P11
C191 100nF 16V 10%
C98 10uF 16V 20%
C197 100nF 16V 10%
C192 100nF 25V -20+80%
3V3
R477 4.99K
5-E3,11-C1>3 CLK_ADC
5-E3 _OE_ADC3
1 Ohm 3V3
C193 100nF 16V 10%
R480 0
C204 100nF 10% 16V
R479 1K
U51 AD9200
R478 1K
C190 470nF 25V 10%
BZV55C10 BZV55C10
CR10 CR8
R231 10K
0V<DCbus<10V
6-C9 DC_MEAS_P
6-C9 DC_MEAS_N
16-E4,6-E2 DC_BUS_MEAS
R10 10
R230 10K
R21 10
R232 10K
C28 1nF 25V 5%
C42 1nF 25V 5%
U18 TL082B
10K R249
+15V
-DCbus
R45 100K
R420 100K
R421 10K
-ALIM_P11
DCBus/5
0V< <2V
1V=???V
R419 SPARE0603
-10VREF
R448 10K
U39 TL082B
+ALIM_P11
C187 100nF 16V 10%
C99 10uF 16V 20%
C196 100nF 16V 10%
C188 100nF 25V -20+80%
3V3
R473 1K
5-E3,11-C1>3 CLK_ADC
5-E3 _OE_ADC4
1 Ohm 3V3
C189 10% 100nF 16V
R476 0
C203 100nF 10% 16V
R475 1K
U52 AD9200
R474 1K
C186 470nF 25V 10%
DSP_D(9:0)
21-E8,12-A1,#2

BLOCK PATHNAME $PROJECT_JEDI/ppc_kv_ctrl_v1b_2_ASM/ppc_kv_ctrl_v1b_2								BLOCK SHT 11 OF 22			
REV PCN XXXXXXXX DESCRIPTION XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX											
MADE BY NAME DATE DD/MM/YY APPR BY NAME DATE DD/MM/YY											
REV PCN XXXXXXXX DESCRIPTION XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX											
MADE BY NAME DATE DD/MM/YY APPR BY NAME DATE DD/MM/YY											
MADE ASSE DATE 14/12/99											
CHECK AYMARD DATE 14/12/99											
APPR CASTEIGNAU DATE 14/12/99											
OTHER NAME DATE DD/MM/YY											
GE Medical Systems BUC - FRANCE											
DESIGN TITLE PPC KV CTRL V1B2											
FIRST MADE FOR JEDI											
DRAWING NO. 2262728SCH										REV A	SIZE 3	SHT/CONT. ON 11 / 22

00-885017-01 A

21-E8,11-G11,B2 DSP_D(11:0)

_CS_DAC_DEBUG
5-E3

U48
AD7945

R57 4.99K

R449 0 +10VREF

10-G7,5-D3 _DSP_IOSTRB

R451 10 C175 10pF 50V 5%

R437 20K
R450 20K
R438 10K
R436 10K
TL082B U43
PP11
DEBUG
6-D5
-10V< <10V

C303 100pF 50V 5%
C302 100pF 50V 5%
R440 10K R439 10K

U47
AD7945

R488 4.99K
_CS_DAC_KVCONS
5-E3

R452 10 C176 10pF 50V 5%
TL082B U42
-10V< <0V
10V=200kV
_KV_CONS
6-D2

13-D11,6-D5 KV_MEAS
R454 0.1% 0805 10K
R441 10K 0.1% 0805
R453 4.99K
EKV
11-A1,6-D2
EKV=2KV_CONS-2KV_MEAS
1V=10kV
+-10V

C200 100nF 10Z 16V
C55 100nF
C57 100nF
C54 10nF 10% 25V
C56 100nF 10% 25V
C58 10nF 10% 25V

4-E10 _CS_DAC_ILR
U50
AD5380
sot23-6
NOT EQUIPED
R199 SPARE 0R
R481 10
C206 100nF 10Z 16V
C103 4.7uF 25V 20%
ILR_THRESHOLD
14-F7

U44
AD5300
tssop8

+10VREF
R356 1K
R357 4.99K

1-D3 _CS_ADC_BIN
15-E5,1-D3 SPI_CLK
15-F5,1-D3 SPI_MOSI

13-B11 MA_MEAS
14-C8,6-D2 ILR_MOY
13-D7,6-D5 KV_UNBALANCE
15-C9 TEMP3
13-F8,6-D2 TANK_TEMP
16-C7,6-D5 V_GATE_MEAS
13-F3 INV_TEMP

R42 0.075W 0805 1K 0.1%
R425 1K 0.1% 0805 0.075W
R446 1K
R429 2K
R43 1K 0.1% 0805 0.075W
R355 1K
R359 1K
R442 1K
R396 2K
R443 2K
R38 4.99K
R445 1K
R428 2K
R431 1K
R41 2K
R398 2K
R40 1K
R427 2K
R397 1K
R444 1K
R426 1K
R358 1K
R430 1K
R44 1K 0.1%
C171 100nF 16V 10%
C177 100nF 16V 10%

U37
MAX146B
SPI_MISO 1-D3
ADC_BIN_SSTRB 1-A7

C88 100nF 16V 10% 4.7uF 25V 20%
C174 changer en 47nF

C178 100nF 10Z 16V

BLOCK PATHNAME	$PROJECT_JEDI/ppc_kv_ctrl_v1b_2_ASM/ppc_kv_ctrl_v1b_2						BLOCK SHT 12 OF 22				
REV PCN XXXXXXXX DESCRIPTION XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX MADE BY NAME DATE DD/MM/YY APPR BY NAME DATE DD/MM/YY				MADE ASSE DATE 14/12/99 CHECK AYMARD DATE 14/12/99 APPR CASTEIGNAU DATE 14/12/99 OTHER NAME DATE DD/MM/YY	GE Medical Systems BUC - FRANCE	DESIGN TITLE PPC KV CTRL V1B2 FIRST MADE FOR JEDI					
REV PCN XXXXXXXX DESCRIPTION XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX MADE BY NAME DATE DD/MM/YY APPR BY NAME DATE DD/MM/YY						DRAWING NO. 2262728SCH	REV A	SIZE 3	SHT/CONT. ON 12 / 22		

00-865017-01 A

TO TANK & INV

J1

Flat_cable
Straight Mate

CONN50

CONTINUITY_OUT_1 → 4-C6 → PP1 PAST 28 0.40-0.71

CONTINUITY_OUT_2 → 4-C6

TANK_ID(3:0) → 7-F1

TANK_TEMP_N

TANK_TEMP_P

INV_TEMP_N

INV_TEMP_P

INV_ID(3:0) → 7-E2

I_INV_MEAS_N → 14-F2

I_INV_MEAS_P → 14-F2

ILP_MEAS_N → 14-B2

ILP_MEAS_P → 14-B2

DC_BUS_MEAS_N → 16-D1

DC_BUS_MEAS_P → 16-E1

GATE_PS_CMD_N → 17-F4

GATE_PS_CMD_P → 17-E4

IGBT_L1_CMD_N → 17-C11

IGBT_L1_CMD_P → 17-B11

IGBT_H1_CMD_N → 17-B11

IGBT_H1_CMD_P → 17-A11

IGBT_H2_CMD_N → 17-E11

IGBT_HL2_CMD_P → 17-D11

IGBT_L2_CMD_N → 17-F11

CONTINUITY_IN_2 → 4-B6

CONTINUITY_IN_1 → 4-B6

R141 R139 R135 R131 R129 R95 R126 R93 R125 R92 R89 0

R140 13

R108 10

C122 1nF 25V 5%

C114 100nF 50V 10%

C137 1nF 25V 5%

U1 PCA204A

MA_PRESCALER(1:0) ← 5-B1>2

R674 4.99K

R578 4.99K

R211 20K

R212 10K

R227 10K

R210 20K

U9 TL082B

R767 10K

R766 10K

R785 10K

R768 100

R67 100

R786 10K

U81 TL082B

10v=1000mA

MA_MEAS_P → 20-C2

MA_MEAS_N → 20-C4

MAS_MEAS → 18-E2,6-D5

R209 20K

R208 20K

C150 100nF 50V 10%

U9 TL082B

10v=2000mA
10v=200mA
10v=20mA
10v=2mA

MA_MEAS → 12-E6

[0V..-10V]
_CA_KV_IN → 6-D5

R138 1K

R189 10M 5% 0.125W 1206

R153 1K

R190 10M 5% 0.125W 1206

R152 1K

R188 10M 5% 0.125W 1206

CR4 bav99

CR3 bav99

CR5 bav99

R207 20K

R179 20K

R206 20K

C149 100pF 5% 50V

C143 100pF 5% 50V

C148 100pF 5% 50V

R226 20K

R203 20K

R205 20K

U10 TL084B

[0V..-10V]
AN_KV_IN → 6-D2

R19 20K

R243 20K

R244 20K

R245 20K

R240 20K

R262 20K

R260 20K

R242 20K

U16 TL084B

R241 20K

R239 20K

C147 1nF 25V 5%

U10 TL084B

[0V..-10V]
1V=10kV
_CATH_KV → 15-D7>2

PP4 10V = 50KV
KV_UNBALANCE

R224 20K

R204 10K

R225 10K

12-E6,G-D5

ANOD_KV [0V..-10V]
1V=10kV → 15-F7>2

R263 0.1Z 10K

R264 20K 0.1Z

R265 20K 0.1Z

R246 10K 0.1Z

U16 TL084B

R261 10K 0.1Z 0.075W

R276 10K 0.1Z 0.075W

1V=20kV
KV_MEAS → 12-D6,G-D5

R764 0.1Z 10K

R783 10K 0.1Z

R784 10K 0.1Z

R765 10K 0.1Z

R753 100

R752 100

U81 TL082B

KV_MEAS_N → 20-C4

KV_MEAS_P → 20-C2

GAIN_KV2 ← 5-A1

Q10 $2n7002

R307 4.99K

C5 10nF 50V 10%

R132 10K

R145 10K

R176 100K

C4 10nF 50V 10%

INV_TEMP_N

INV_TEMP_P

R100 10K

R147 10K

C3 10nF 50V 10%

U5 TL082B

INV_TEMP → 12-E6

C135 10nF 50V 10%

R116 100K

C109 100nF
C22 100nF
C35 100nF
C13 100nF
C1 100nF
C17 100nF
C103 100nF
C23 100nF
C36 100nF
C12 100nF
C11 100nF
C21 100nF
20+80% 25V

C120 10nF 50V 10%

R134 10K

R178 10K

R103 10K

R202 10K

C121 10nF 50V 10%

C136 10nF 50V 10%

R177 100K

R201 100K

C142 10nF 50V 10%

U5 TL082B

TANK_TEMP_N

TANK_TEMP_P

TANK_TEMP → 12-E6,G-D2

0V -15V +15V +3V 3V3

BLOCK PATHNAME	$PROJECT_JEDI/ppc_kv_ctrl_v1b_2_ASM/ppc_kv_ctrl_v1b_2		BLOCK SHT 13 OF 22
REV PCN XXXXXXXX DESCRIPTION XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX	MADE ASSE DATE 14/12/99	GE Medical Systems BUC - FRANCE	DESIGN TITLE PPC KV CTRL V1B2
MADE BY NAME DATE DD/MM/YY APPR BY NAME DATE DD/MM/YY	CHECK AYMARD DATE 14/12/99		FIRST MADE FOR JEDI
REV PCN XXXXXXXX DESCRIPTION XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX	APPR CASTEIGNAU DATE 14/12/99		DRAWING NO. 2262728SCH / REV A / SIZE 3 / SHT/CONT. ON 13 / 22
MADE BY NAME DATE DD/MM/YY APPR BY NAME DATE DD/MM/YY	OTHER NAME DATE DD/MM/YY		

00-885017-01 A

shunt : 3.3 Ohm
TI : x200
=> ILp_Nom=606A

ILp_Nom. <=> 10 V

ILP
11-E1,G-D2

370nF
C32 100pF 5% 50V
C155 100pF 5% 50V
R236 1K
R20 10K

R270 SPARE0603
R271 10K

3V3
R638 1K
R336 1M

U20 TL084B
U22 LM311

ILP_SGN
6-C5,5-E1

avance de phase 1.47us

ILP_MEAS_N
ILP_MEAS_P
13-D2
R96 10
R128 10
C6 1nF 25V 5%
C119 1nF 25V 5%
R223 10K
R221 10K
R222 10K
R238 10K
U13 TL082B
10V=ILp_Nom.
+-10V

R269 10K
R306 10K
R337 10K

R258 10K
C156 100pF 5% 50V
C31 100pF 5% 50V
R259 1K

_VCR
11-A7,G-D2

+-10V
10V = ILp_Nom*Lp / 2E-6
Lp=9 uH
ILp_Nom=606A
10V=2727V

R256 10K
R257 10K
R272 SPARE0603

ILR_MOY
12-E6,G-D2

C169 10nF 10% 50V
R390 29K
R389 29K
R391 10K
U35 TL082B

ABS_ILR
6-D7

R363 10K
R362 1M
R364 20K
R365 10K
U33 LM311
R673 1K
ILR_MAX
5-A1

ILr max 20/10 ILR THRESHOLD

R334 10K
R333 1M
R335 20K
R304 0
R303 2K
U23 LM311
R702 1K
ILR_MAX80
5-A1

C25 C37 C48 C50 C52 C74 C75 100nF
C24 C41 C49 C51 C62 C84 C85 10+80Z 100nF 25V

R361 10K
R686 1K
PP9
ILR_NEG
5-E1
_ILR_A
U31 LM311
Thresold=2.5%

+10VREF
R331 100K
R302 4.99K
R301 4.99K
R360 1M
R329 1K
PP6
ILR_POS
5-D1
R332 10K
ILR_A
R330 1M
U24 LM311

shunt : 5 Ohm
TI : x40x80
=> ILr Nom=3200A

ILr Nom. <=> 10 V

I_INV_MEAS_P
I_INV_MEAS_N
13-D2
R97 10
R130 10
C117 1nF 25V 5%
C2 1nF 25V 5%
R7 10K
R219 10K
R220 20K
R237 20K
U13 TL082B
_ILR
10V=ILr Nom.
6-D5

C46 100pF 5% 50V
R275 SPARE0603
R274 4.99K
C159 100pF 50V 5%
C49 100pF 50V 5%
R273 10K
R33 10K
U20 TL084B

R255 20K
R253 20K
R254 10K
CR11 BAW56
12-C11
ILR_THRESHOLD
R305 10K

PP5
ILR_A
_ILR_A

1	2	3	4	5	6	7	8	9	10	11	

BLOCK PATHNAME $PROJECT_JEDI/ppc_kv_ctrl_v1b_2_ASM/ppc_kv_ctrl_v1b_2
BLOCK SHT 14 OF 22

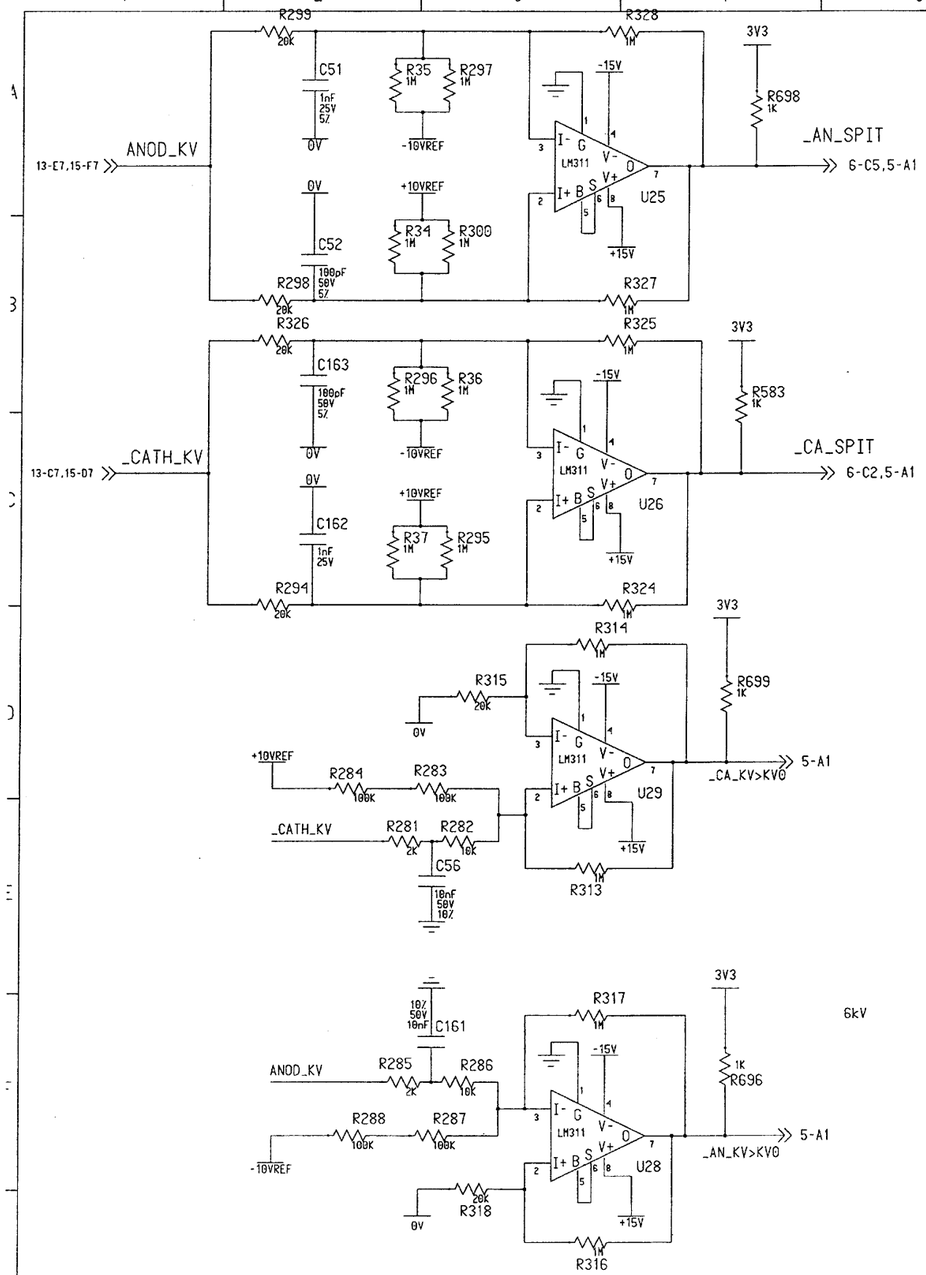
REV	PCN	DESCRIPTION	DATE	APPR BY	DATE
MADE BY	NAME	XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX	DD/MM/YY	NAME	DD/MM/YY
REV	PCN	DESCRIPTION	DATE	APPR BY	DATE
MADE BY	NAME	XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX	DD/MM/YY	NAME	DD/MM/YY

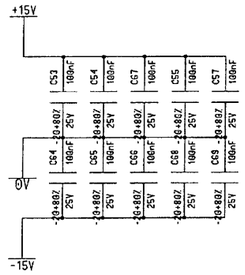
MADE	ASSE	DATE	14/12/99
CHECK	AYMARD	DATE	14/12/99
APPR	CASTEIGNAU	DATE	14/12/99
OTHER	NAME	DATE	DD/MM/YY

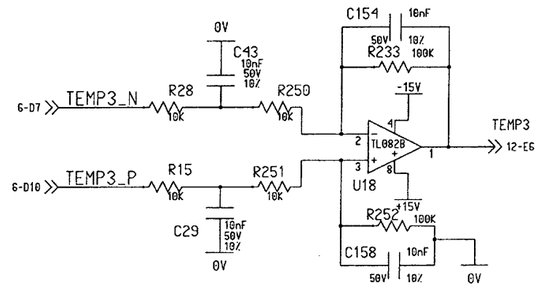
GE Medical Systems
BUC - FRANCE

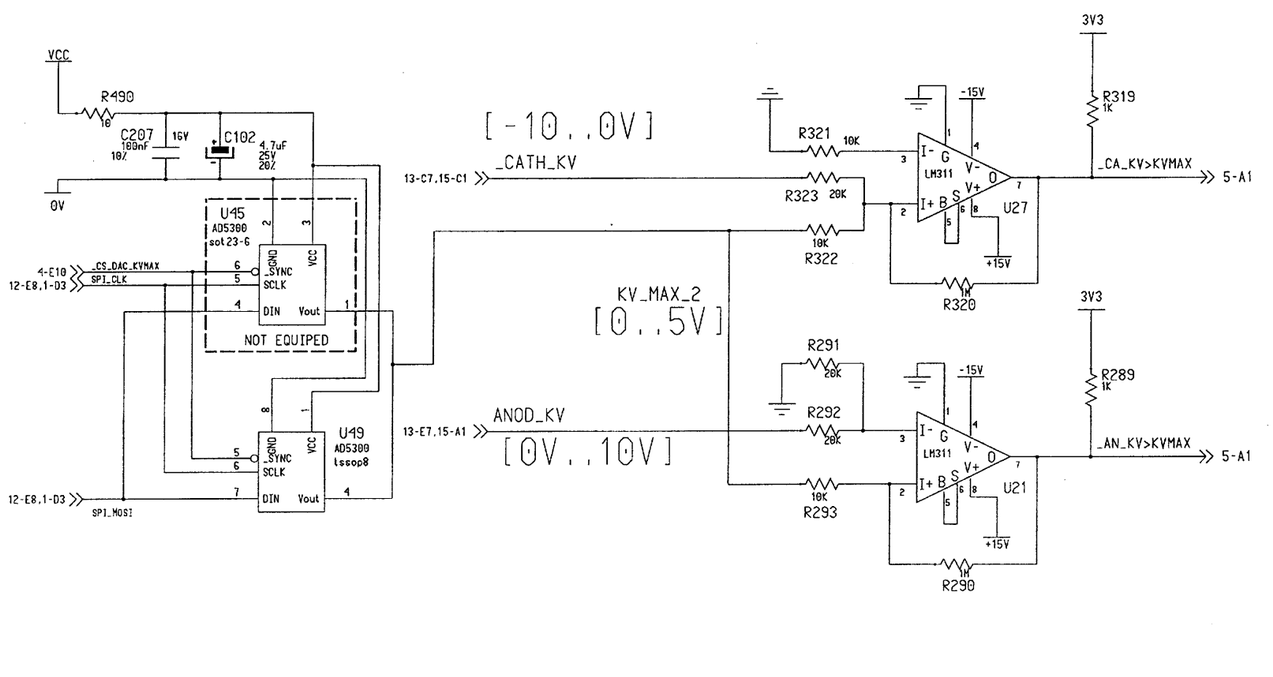
DESIGN TITLE PPC KV CTRL V1B2
FIRST MADE FOR JEDI
DRAWING NO. 2262728SCH
REV A
SIZE 3
SHT/CONT. ON 14 / 22

00-885017-01 A



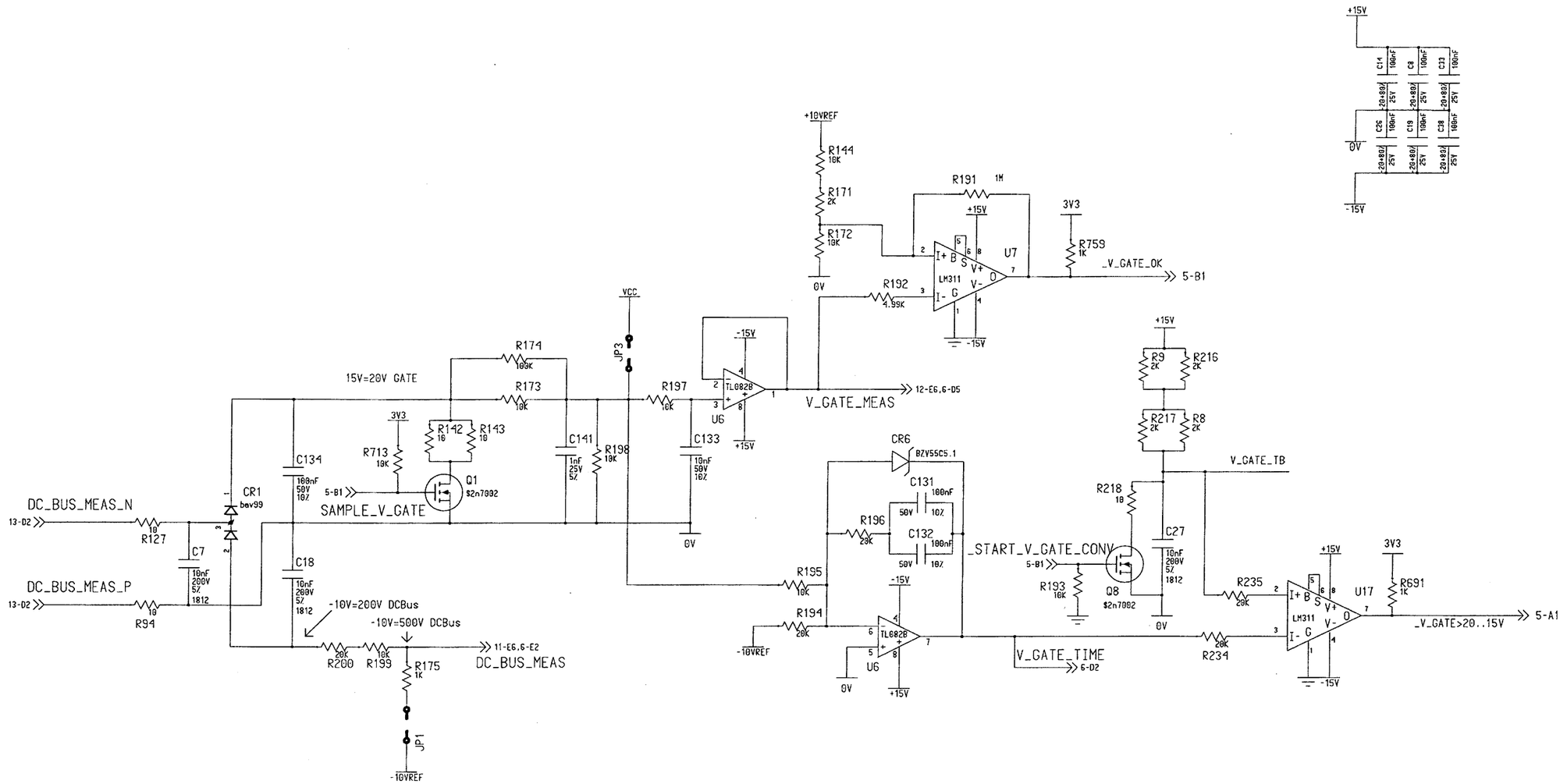






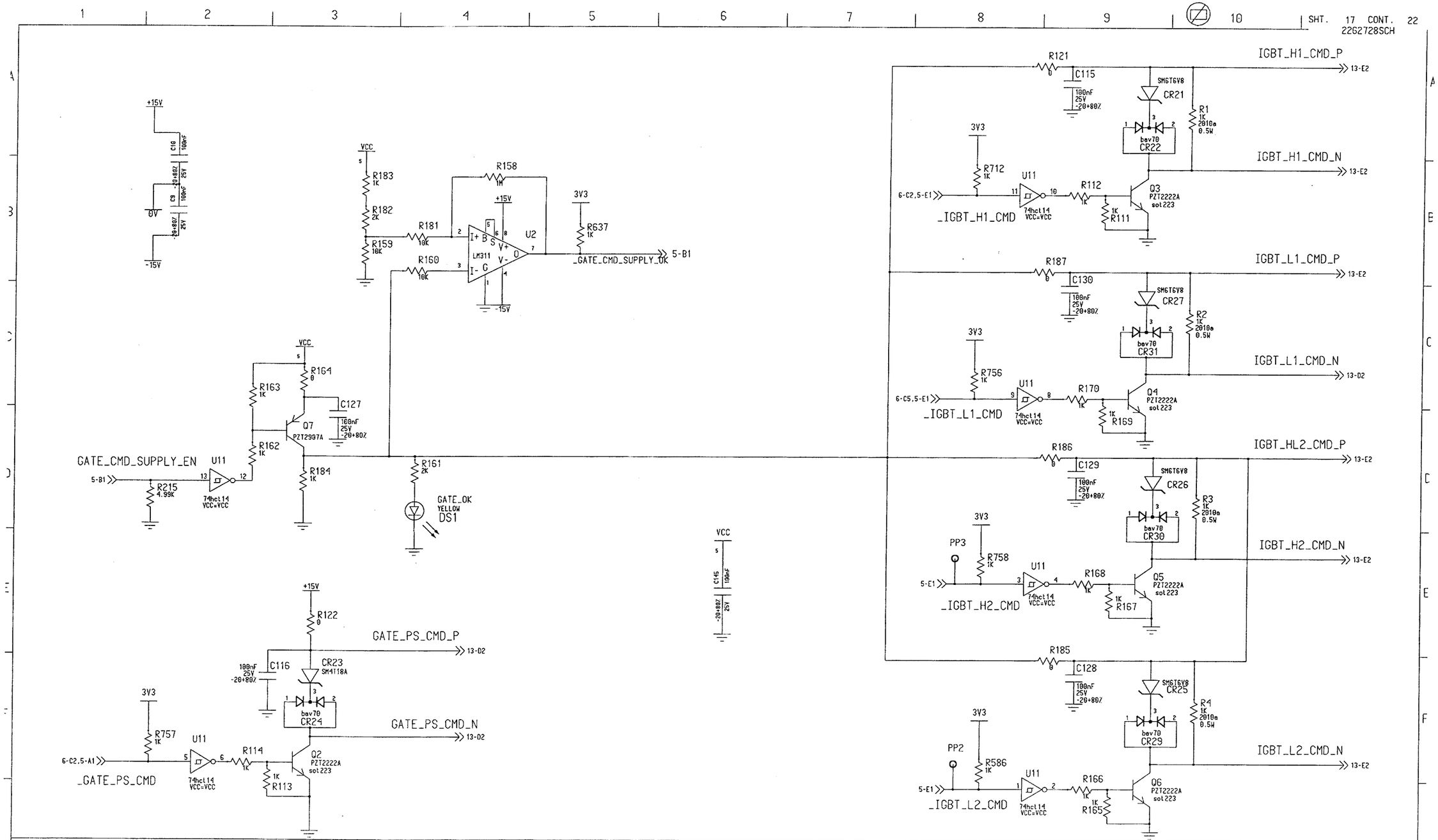
BLOCK PATHNAME $PROJECT_JEDI/ppc_kv_ctrl_v1b_2_ASM/ppc_kv_ctrl_v1b_2					BLOCK SHT 15 OF 22		
REV PCN XXXXXXXX DESCRIPTION XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX MADE BY NAME DATE DD/MM/YY APPR BY NAME DATE DD/MM/YY		MADE ASSE	DATE 14/12/99	GE Medical Systems BUC - FRANCE	DESIGN TITLE PPC KV CTRL V1B2 FIRST MADE FOR JEDI		
REV PCN XXXXXXXX DESCRIPTION XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX MADE BY NAME DATE DD/MM/YY APPR BY NAME DATE DD/MM/YY		CHECK AYMARD	DATE 14/12/99		DRAWING NO. 2262728SCH	REV A	SIZE 3 / SHT/CONT. ON 15 / 22
		APPR CASTEIGNAU	DATE 14/12/99				
		OTHER NAME	DATE DD/MM/YY				

00-885017-01 A



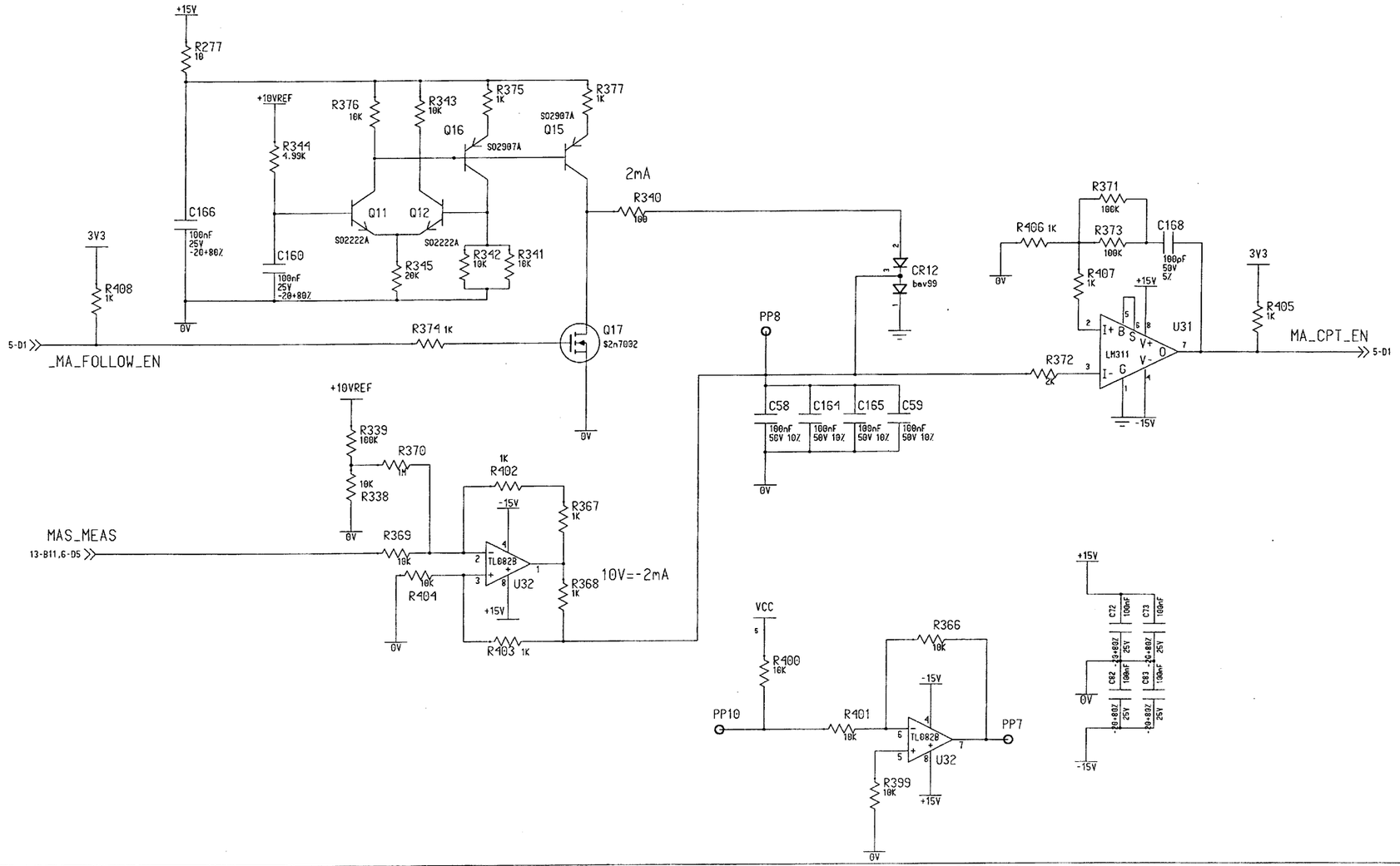
BLOCK PATHNAME $PROJECT_JEDI/ppc_kv_ctrl_v1b_2_ASM/ppc_kv_ctrl_v1b_2						BLOCK SHT 16 OF 22	
REV PCN XXXXXXXX DESCRIPTION XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX MADE BY NAME DATE DD/MM/YY APPR BY NAME DATE DD/MM/YY		MADE ASSE DATE 14/12/99 CHECK AYMARD DATE 14/12/99 APPR CASTEIGNAU DATE 14/12/99 OTHER NAME DATE DD/MM/YY	GE Medical Systems BUC - FRANCE	DESIGN TITLE PPC KV CTRL V1B2 FIRST MADE FOR JEDI			
REV PCN XXXXXXXX DESCRIPTION XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX MADE BY NAME DATE DD/MM/YY APPR BY NAME DATE DD/MM/YY				DRAWING NO. 2262728SCH	REV A	SIZE 3	SHT/CONT. ON 16 / 22

00-885017-01 A



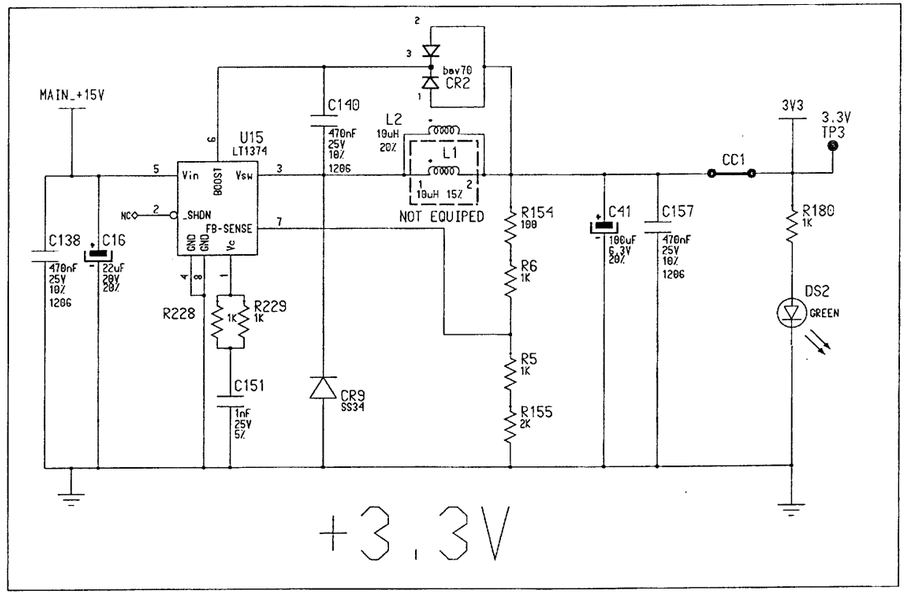
BLOCK PATHNAME $PROJECT_JEDI/ppc_kv_ctrl_v1b_2_ASM/ppc_kv_ctrl_v1b_2						BLOCK SHT 17 OF 22	
REV PCN XXXXXXXX DESCRIPTION XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX MADE BY NAME DATE DD/MM/YY APPR BY NAME DATE DD/MM/YY		MADE ASSE DATE 14/12/99 CHECK AYMARD DATE 14/12/99 APPR CASTEIGNAU DATE 14/12/99 OTHER NAME DATE DD/MM/YY	GE Medical Systems BUC - FRANCE	DESIGN TITLE PPC KV CTRL V1B2 FIRST MADE FOR JEDI			
REV PCN XXXXXXXX DESCRIPTION XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX MADE BY NAME DATE DD/MM/YY APPR BY NAME DATE DD/MM/YY				DRAWING NO. 2262728SCH	REV A	SIZE 3	SHT/CONT. ON 17 / 22

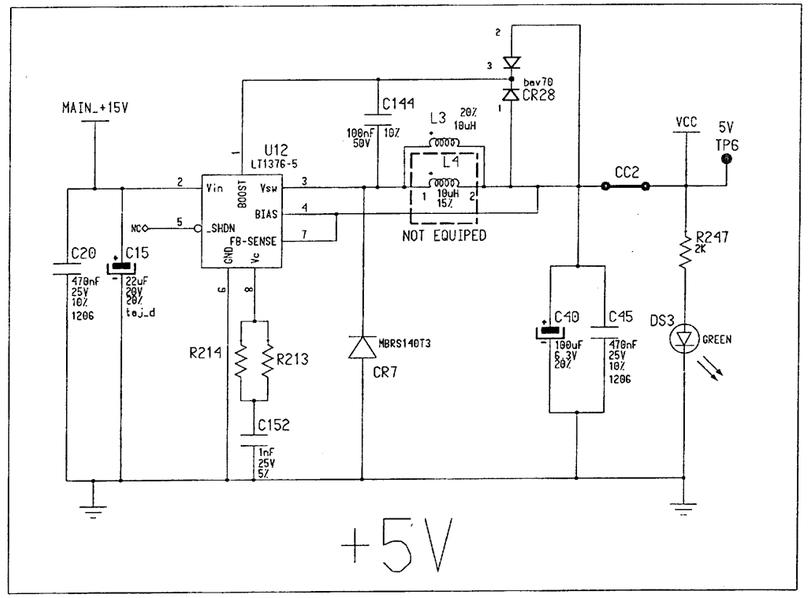
00-885017-01 A

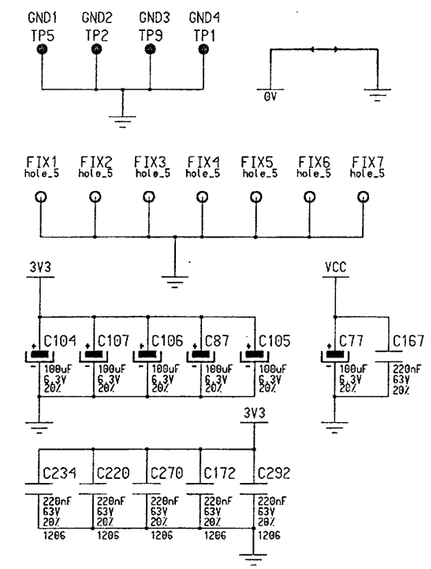


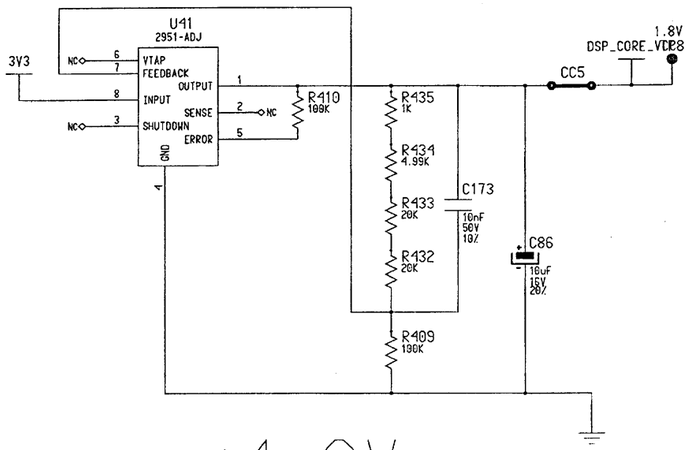
BLOCK PATHNAME $PROJECT_JEDI/ppc_kv_ctrl_v1b_2_ASM/ppc_kv_ctrl_v1b_2								BLOCK SHT 18 OF 22			
REV PCN XXXXXXXX DESCRIPTION XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX MADE BY NAME DATE DD/MM/YY APPR BY NAME DATE DD/MM/YY				MADE ASSE	DATE 14/12/99	GE Medical Systems BUC - FRANCE		DESIGN TITLE PPC KV CTRL V1B2 FIRST MADE FOR JEDI			
REV PCN XXXXXXXX DESCRIPTION XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX MADE BY NAME DATE DD/MM/YY APPR BY NAME DATE DD/MM/YY				CHECK AYMARD	DATE 14/12/99			DRAWING NO. 2262728SCH	REV A	SIZE 3	SHT/CONT. ON 18 / 22
				APPR CASTEIGNAU	DATE 14/12/99						
				OTHER NAME	DATE DD/MM/YY						

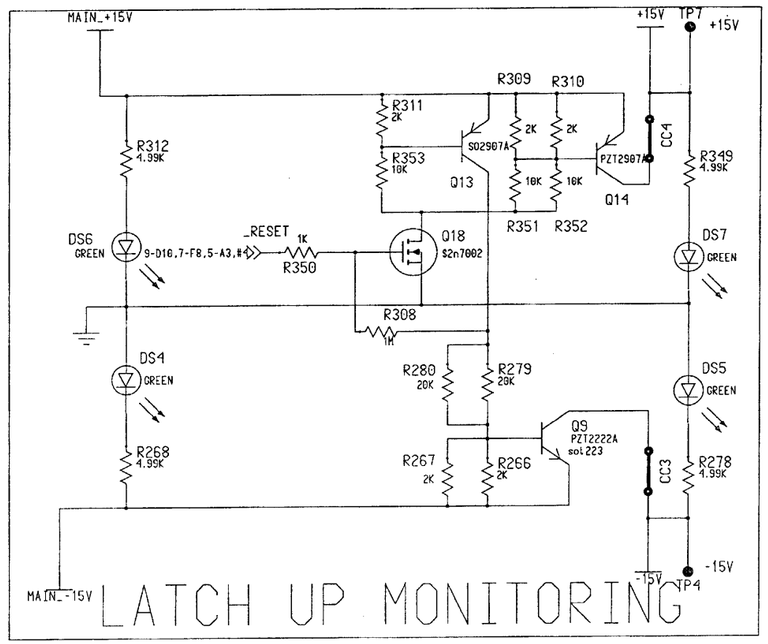
00-885017-01 A

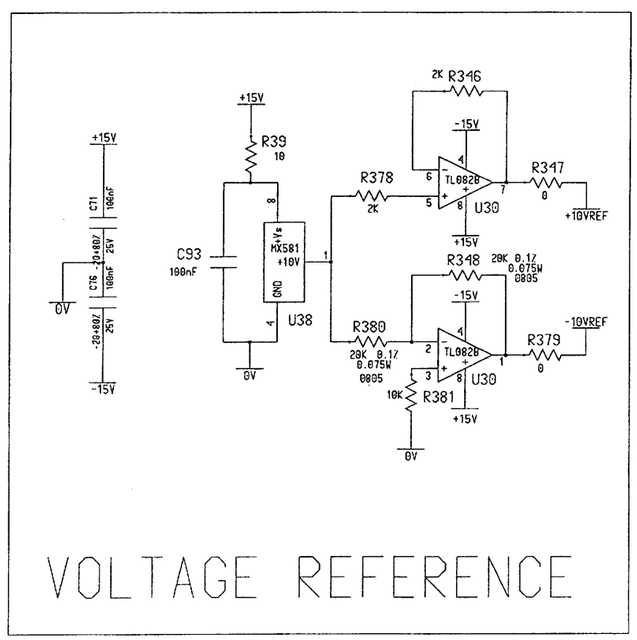












BLOCK PATHNAME	$PROJECT_JEDI/ppc_kv_ctrl_v1b_2_ASM/ppc_kv_ctrl_v1b_2						BLOCK SHT 19 OF 22		
REV PCN XXXXXXXX DESCRIPTION XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX				MADE ASSE	DATE 14/12/99	GE Medical Systems BUC - FRANCE	DESIGN TITLE PPC KV CTRL V1B2		
MADE BY NAME DATE DD/MM/YY APPR BY NAME DATE DD/MM/YY				CHECK AYMARD	DATE 14/12/99		FIRST MADE FOR JEDI		
REV PCN XXXXXXXX DESCRIPTION XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX				APPR CASTEIGNAU	DATE 14/12/99		DRAWING NO. 2262728SCH	REV A	SIZE 3	SHT/CONT. ON 19 / 22
MADE BY NAME DATE DD/MM/YY APPR BY NAME DATE DD/MM/YY				OTHER NAME	DATE DD/MM/YY				

00-885017-01 A

CONN34

B_IRQ_ETH
CONTINUITY_IN_4 4-C6
PPC_MII(9:17) 8-D11,1-A7>2
PPC_MII(0:8) 1-G2
TXD_LD_INT_CAN 4-D11
RXD_LD_INT_CAN 4-D11
B_RTL_7_FROM_ROOM
_B_RTL_7_FROM_ROOM
_B_RTL_8_FROM_ROOM
_B_EN_RTL_7_TO_ROOM
_B_RTL_7_TO_ROOM
_B_RTL_8_TO_ROOM
MA_MEAS_P 13-A11
MA_MEAS_N 13-B11
KV_MEAS_P 13-E11
KV_MEAS_N 13-D11
CONTINUITY_OUT_4 4-C6

Male
Straight
Flat_cable

J10

VCC
R561 4.99K _B_RTL_8_FROM_ROOM
R562 4.99K _B_RTL_7_FROM_ROOM
R536 4.99K _B_RTL_5_FROM_ROOM
R590 4.99K _B_RTL_4_FROM_ROOM
R587 4.99K _B_RTL_3_FROM_ROOM
R591 4.99K _B_RTL_2_FROM_ROOM
R622 4.99K _B_RTL_1_FROM_ROOM

B_RTL_1_FROM_ROOM R621 2K
B_RTL_2_FROM_ROOM R589 2K
B_RTL_3_FROM_ROOM R619 2K
B_RTL_4_FROM_ROOM R620 2K
RXD_EXT_CAN R778 2K
_B_RTL_6_FROM_ROOM R560 2K
B_RTL_7_FROM_ROOM R559 2K

CONN64

4-C6 CONTINUITY_OUT_3
R464 0
ETH_LOOP
B_ETH_10BT_RENA
B_ETH_10BT_CLSN
B_ETH_10BT_TENA
B_ETH_10BT_RCK
B_ETH_10BT_TCK
B_ETH_10BT_RX
B_ETH_10BT_TX
B_SCC3_RX
B_SCC3_TX
B_SCC2_RX
B_SCC2_TX
B_SCC1_RX
B_SCC1_TX
7-E8,4-A5 TXD_EXT_CAN
7-E8,4-A5 RXD_EXT_CAN
_B_RTL_6_TO_ROOM
_B_RTL_6_FROM_ROOM
_B_RTL_1_TO_ROOM
_B_RTL_1_FROM_ROOM
_B_RTL_2_TO_ROOM
_B_RTL_2_FROM_ROOM
_B_RTL_3_TO_ROOM
_B_RTL_3_FROM_ROOM
_B_RTL_4_TO_ROOM
_B_RTL_4_FROM_ROOM
_B_RTL_5_TO_ROOM
_B_RTL_5_FROM_ROOM
B_SCC_CLK8
B_SCC_CLK7
NC

+15V -15V VCC 3V3

B_SMC1_RX
B_SMC1_TX
B_SMC2_RX
B_SMC2_TX

IF_ID(3:0) 7-G1

_B_EN_RTL_1_TO_ROOM
B_RTL_1_FROM_ROOM
_B_EN_RTL_2_TO_ROOM
B_RTL_2_FROM_ROOM
_B_EN_RTL_3_TO_ROOM
B_RTL_3_FROM_ROOM
_B_EN_RTL_4_TO_ROOM
B_RTL_4_FROM_ROOM

Male
Straight
Flat_cable

J4

CONTINUITY_IN_3 4-C6

R714 1K _RTL_8_TO_ROOM
R703 1K _RTL_7_TO_ROOM
R697 1K _RTL_6_TO_ROOM
R704 1K _RTL_5_TO_ROOM
R692 1K _RTL_4_TO_ROOM
R584 1K _RTL_3_TO_ROOM
R687 1K _RTL_2_TO_ROOM
R693 1K _RTL_1_TO_ROOM

R579 1K _EN_RTL_7_TO_ROOM
R581 1K _EN_RTL_1_TO_ROOM
R580 1K _EN_RTL_3_TO_ROOM
R582 1K _EN_RTL_2_TO_ROOM
R762 1K _EN_RTL_1_TO_ROOM

ETH_10BT_RCK SPARE0608 R507 B_ETH_10BT_RCK
ETH_10BT_TCK SPARE0609 R517 B_ETH_10BT_TCK

U82 74hct541
1-E10 SCC2_TX
1-D3 SMC1_TX
SMC2_TX
7-E8,1-D3 _EN_RTL_7_TO_ROOM
5-D1 _EN_RTL_4_TO_ROOM
5-C1 _EN_RTL_3_TO_ROOM
5-C1 _EN_RTL_2_TO_ROOM
5-C1 _EN_RTL_1_TO_ROOM
B_SCC2_TX
B_SMC1_TX
B_SMC2_TX
_B_EN_RTL_7_TO_ROOM
_B_EN_RTL_4_TO_ROOM
_B_EN_RTL_3_TO_ROOM
_B_EN_RTL_2_TO_ROOM
_B_EN_RTL_1_TO_ROOM
R763 1K G2 G1 VCC=VCC

U55 74LVC-LCX541A
1-E10 ETH_10BT_TCK R516 0
_IRQ_ETH
8-D9>2,1-A7 ETH_10BT_RX
1-E10 ETH_10BT_CLSN
1-A8 ETH_10BT_RENA
1-A8 ETH_10BT_RCK R505 0
1-E10 SMC1_RX
1-D3 SMC2_RX
7-E8,1-C3
B_ETH_10BT_TCK R512 0
B_IRQ_ETH
B_ETH_10BT_RX R511 0
B_ETH_10BT_CLSN
B_ETH_10BT_RENA R508 0
B_ETH_10BT_RCK
B_SMC1_RX
B_SMC2_RX
R506 1K G2 G1 VCC=3V3

3V3 C210 100nF 16V 10%

3V3 RG1 1K RG2 1K

U69 74hct541
1-D10 SCC_CLK8
1-D10 SCC_CLK7
1-C3 ETH_10BT_TENA
1-E10 ETH_10BT_TX
SCC4_TX
7-E8,1-E10
1-E10 SCC3_TX
B_SCC_CLK8
B_SCC_CLK7
B_ETH_10BT_TENA
NC
NC
B_ETH_10BT_TX
B_SCC4_TX
B_SCC3_TX
R683 1K G2 G1 VCC=VCC

U65 74LVC-LCX541A
9-D1,5-C1 RESET_FROM_ROOM
9-D1,5-C1 _RTL_1_FROM_ROOM
9-D1,5-C1 _RTL_2_FROM_ROOM
5-C1 _RTL_3_FROM_ROOM
5-C1 _RTL_4_FROM_ROOM
5-C1 _RTL_1_FROM_ROOM
5-C1 _RTL_2_FROM_ROOM
5-C1 _RTL_3_FROM_ROOM
5-D1 _RTL_4_FROM_ROOM
B_RTL_1_FROM_ROOM
B_RTL_2_FROM_ROOM
B_RTL_3_FROM_ROOM
B_RTL_4_FROM_ROOM
_B_RTL_1_FROM_ROOM
_B_RTL_2_FROM_ROOM
_B_RTL_3_FROM_ROOM
_B_RTL_4_FROM_ROOM
R588 1K G2 G1 VCC=3V3

3V3 C232 100nF 16V 10%

VCC C239 100nF 16V 10%

VCC C269 100nF 16V 10%

U75 74hct541
9-D1,5-C1 RESET_TO_ROOM
9-D1,5-C1 _RTL_1_TO_ROOM
5-C1 _RTL_2_TO_ROOM
5-C1 _RTL_3_TO_ROOM
5-C1 _RTL_4_TO_ROOM
5-D1 _RTL_5_TO_ROOM
5-D1 _RTL_6_TO_ROOM
5-D1 _RTL_7_TO_ROOM
5-D1 _RTL_8_TO_ROOM
_B_RTL_1_TO_ROOM
_B_RTL_2_TO_ROOM
_B_RTL_3_TO_ROOM
_B_RTL_4_TO_ROOM
_B_RTL_5_TO_ROOM
_B_RTL_6_TO_ROOM
_B_RTL_7_TO_ROOM
_B_RTL_8_TO_ROOM
R715 1K G2 G1 VCC=VCC

U58 74LVC-LCX541A
5-D1 _RTL_8_FROM_ROOM
5-D1 RTL_7_FROM_ROOM
5-D1 _RTL_7_FROM_ROOM
5-D1 _RTL_6_FROM_ROOM
5-D1 _RTL_5_FROM_ROOM
7-E8,1-E10 SCC4_RX
1-E10 SCC3_RX
1-E10 SCC2_RX
_B_RTL_8_FROM_ROOM
B_RTL_7_FROM_ROOM
_B_RTL_7_FROM_ROOM
_B_RTL_6_FROM_ROOM
_B_RTL_5_FROM_ROOM
B_SCC4_RX
B_SCC3_RX
B_SCC2_RX
R535 1K G2 G1 VCC=3V3

3V3 C221 100nF 16V 10%

BLOCK PATHNAME $PROJECT_JEDI/ppc_kv_ctrl_v1b_2_ASM/ppc_kv_ctrl_v1b_2

BLOCK SHT 20 OF 22

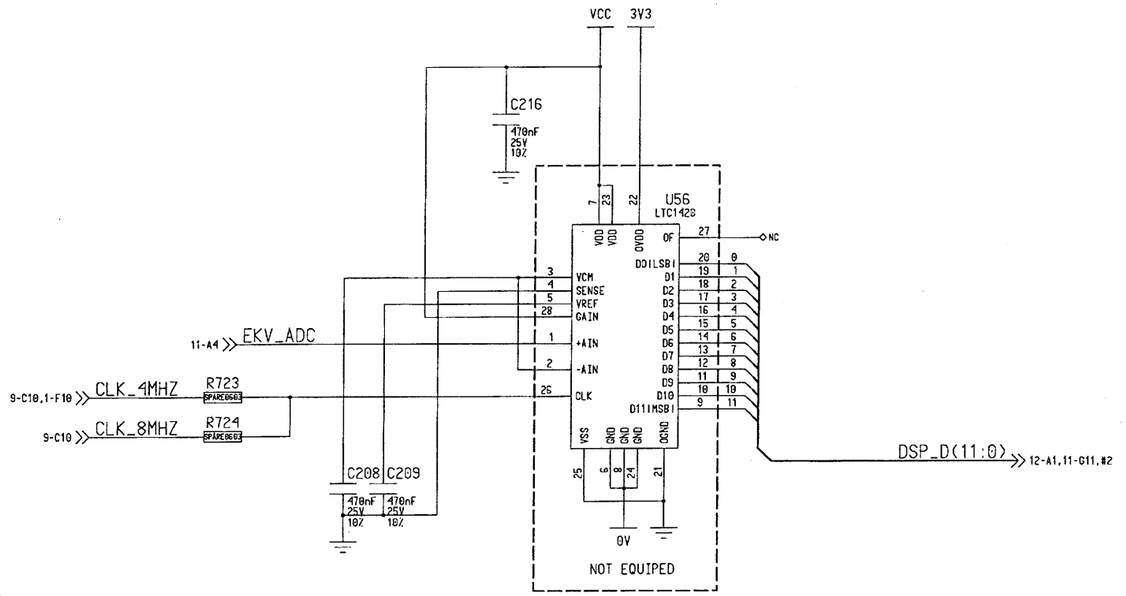
REV	PCN XXXXXXXX	DESCRIPTION XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX					
MADE BY	NAME	DATE DD/MM/YY	APPR BY NAME	DATE DD/MM/YY			
REV	PCN XXXXXXXX	DESCRIPTION XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX					
MADE BY	NAME	DATE DD/MM/YY	APPR BY NAME	DATE DD/MM/YY			

MADE	ASSE	DATE 14/12/99
CHECK	AYMARD	DATE 14/12/99
APPR	CASTEIGNAU	DATE 14/12/99
OTHER	NAME	DATE DD/MM/YY

GE Medical Systems
BUC - FRANCE

DESIGN TITLE PPC KV CTRL V1B2			
FIRST MADE FOR JEDI			
DRAWING NO. 2262728SCH	REV A	SIZE 3	SHT/CONT. ON 20 / 22

00-885017-01 A



BLOCK PATHNAME	$PROJECT_JEDI/ppc_kv_ctrl_v1b_2_ASM/ppc_kv_ctrl_v1b_2							BLOCK SHT 21 OF 22			
REV PCN XXXXXXXX DESCRIPTION XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX MADE BY NAME DATE DD/MM/YY APPR BY NAME DATE DD/MM/YY			MADE ASSE DATE 14/12/99 CHECK AYMARD DATE 14/12/99 APPR CASTEIGNAU DATE 14/12/99 OTHER NAME DATE DD/MM/YY		GE Medical Systems BUC - FRANCE		DESIGN TITLE PPC KV CTRL V1B2 FIRST MADE FOR JEDI			
REV PCN XXXXXXXX DESCRIPTION XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX MADE BY NAME DATE DD/MM/YY APPR BY NAME DATE DD/MM/YY							DRAWING NO. 2262728SCH	REV A	SIZE 3	SHT/CONT. ON 21 / 22

00-885017-01 A

REMARKS SHEET

Defaults for non-indicated values on passive components:

Default resistor/capacitor geometries: 0603

Resistors: Tolerance: 1% Power: 0.063W

00-885017-01 A